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UNIVERSITY OF SOUTHERN MISSISSIPPI

BULLETIN

1965-1966

GENERAL CATALOG OF UNDERGRADUATE PROGRAMS

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University of Southern Mississippi

Bulletin

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GENERAL CATALOG ISSUE

UNDERGRADUATE PROGRAMS

ANNOUNCEMENTS

1965-1966

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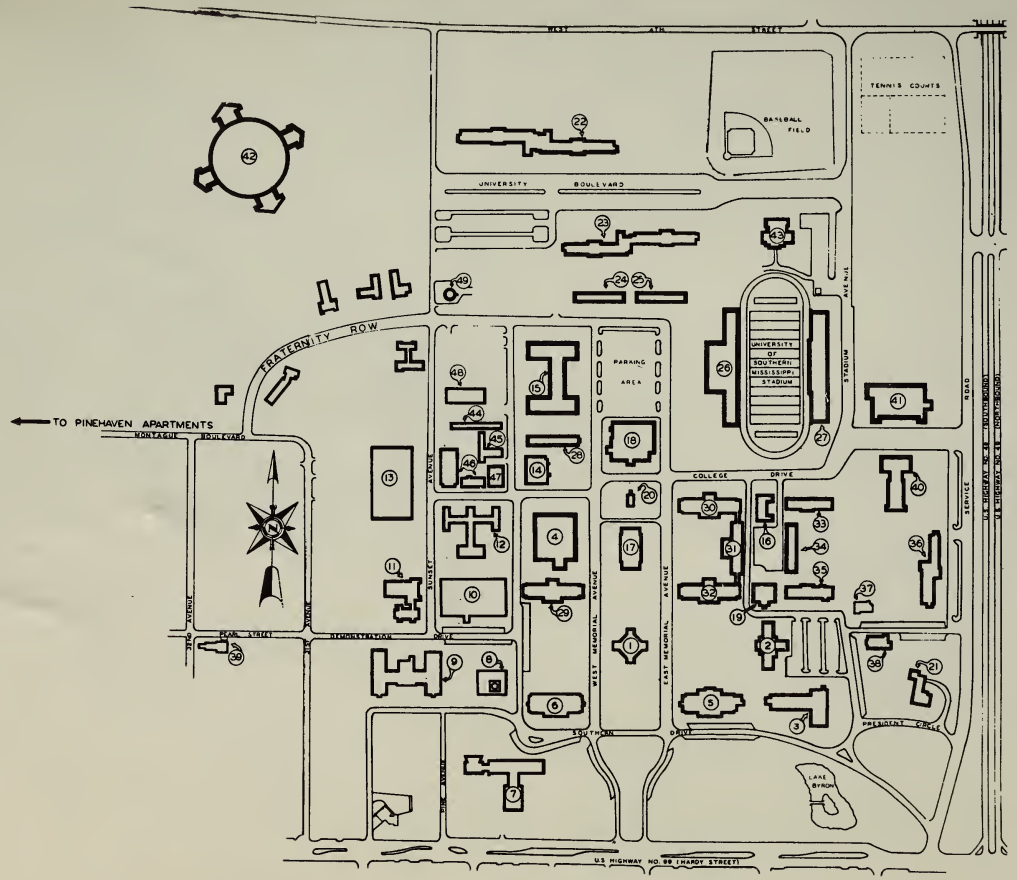
FALL QUARTER OPENS SEPTEMBER 6, 1965

Published quarterly by the University of Southern Mississippi, Hattiesburg, Miss.
Entered as second-class matter February 19, 1917, at the post office
at Hattiesburg, Mississippi, under act of August 24, 1912.

VOLUME 52 (Published April 1, 1965) NUMBER 4

LEGEND

1. ADMINISTRATION BUILDING
2. STUDENT SERVICE CENTER
3. UNIVERSITY UNION
4. UNIVERSITY COMMONS
5. SOUTHERN HALL
6. COLLEGE HALL
7. FINE ARTS BUILDING
8. LATIN AMERICAN INSTITUTE
9. GEORGE HURST HALL
10. LIBRARY
11. HOME ECONOMIC BUILDING
12. WEST HALL
13. EDUCATION AND PSYCHOLOGY BUILDING
14. INDUSTRIAL ARTS AND R.O.T.C. BUILDING
15. NEW SCIENCE HALL
16. EAST HALL
17. AUDITORIUM
18. HUB (BOOKSTORE, POST OFFICE & GRILL)
19. INFIRMARY
20. DANFORTH CHAPEL
21. PRESIDENT'S HOME
22. BOND HALL
23. SCOTT HALL
24. McCLESKEY HALL
25. McMILLIN HALL
26. WEST STADIUM
27. EAST STADIUM
28. WEATHERSBY HALL
29. FORREST COUNTY HALL
30. MISSISSIPPI HALL
31. HICKMAN HALL
32. HATTIESBURG HALL
33. JONES HALL
34. BOLTON HALL
35. PULLEY HALL
36. PANHELLENIC DORMITORY
37. GRACE BENNETT HOUSE
38. HONOR HOUSE
39. KATE HUBBARD HOUSE
40. WOMEN'S PHYSICAL EDUCATION BUILDING
41. SPORTS ARENA
42. COLISEUM
43. FIELD HOUSE
44. R.O.T.C. RIFLE RANGE
45. PHYSICAL PLANT DEPARTMENT
46. PHYSICAL PLANT STORAGE
47. POWER PLANT
48. PHYSICAL PLANT MAINTENANCE SHED
49. OBSERVATORY



A Compact Campus at the Center of Southern Growth

The map on the facing page covers approximately the eastern half of the University of Southern Mississippi's central campus at Hattiesburg. Four-laned US Highway 49 forms the eastern boundary; US Highway 98 (Hardy Street) forms the southern boundary, the latter leading east to downtown Hattiesburg and west to the nearby intersection with Interstate 59, thus putting the USM campus literally at the hub of south Mississippi's major express highways.

The upper right hand corner or northeast quadrant of this fifty-building campus is almost entirely allotted to stadia, gymnasia, and intramural playing fields. Just north of the tennis courts will be the newest women's dormitory—off the campus and privately financed but approved by the University. To the left or west of the football and baseball fields are grouped air-conditioned dormitories for men, the men's fraternity houses, and the new 9200-seat *Coliseum.*

South of the football stadium is a group of seven dormitories for women, the newest of which is the eight-storied, air-conditioned *Panhellenic* alongside US 49. Between these dormitories and Lake Byron are the *Student Services Center,* the *University Union,* and the *President's Home.*

The central axis of the campus, running north from the main entrance on Hardy Street, includes the *Administration Building,* flanked by the classroom buildings of *Southern Hall* and *College Hall.* North of the *Administration Building* is the *Auditorium,* and north of the latter are *Danforth Chapel,* and *The Hub,* which contains the bookstore, postoffice, and grill.

The large new *University Commons* or central dining hall is to the west of the *Auditorium;* and the even larger *Science Hall* lies to the west of *The Hub* and parking area.

The *Fine Arts Building* near Hardy Street begins another south-to-north axis which includes the *Latin-American Institute,* the *Joe Cook Memorial Library,* and *West Hall,* another classroom building. The newest off-campus men's dormitory is south of Hardy Street across from the *Fine Arts Building* and the campus's own municipal fire station.

Yet farther west is the axis which begins with *George Hurst Hall* (a classroom building) and continues north past the *Home Economics Building* to the new *Education and Psychology Building* near Fraternity Row.

This compactly arranged campus is developing rapidly. The *Coliseum* and the *Education and Psychology Building,* as the two newest and largest facilities to be occupied, point the way to the University's continued expansion westward over the former golf course toward the Pine Haven Apartments. Even the already developed half of the campus will continue to change. For example, the library is soon to be expanded northward to cover its entire block to keep pace with the University's growth in both quantity and quality. The University is devoting a larger percentage of its budget to expanding library services than is any other state institution of higher learning in Mississippi.

The University's "Master Plan" calls for a doubling and trebling of existing facilities to keep abreast of the predictable rise in student population from the present six thousand up to some fifteen thousand within another decade. Even with a fifteen-thousand-strong student body, the Hattiesburg campus will remain a compact and well-arranged campus. There will be no wasted space, simply because there is no space to waste.

Growth and change are in the South Mississippi air. US 49 runs south from this campus seventy miles to the booming Gulf Coast, whose permanent and tourist populations are expected to double by the 1970's. Interstate 59 and US 11 lead southwest some 90 miles to New Orleans. The Mississippi Test Operation facility where the NASA moon-shot rockets are soon to be static-tested at a half-billion-dollar plant is hardly sixty miles from the USM campus on the main routes to New Orleans. Fast-growing Jackson, Mississippi's capital city, is less than two hours north of Hattiesburg on US 49. No fewer than fifteen Mississippi junior colleges within ready driving distance of Hattiesburg, plus USM extension or resident centers at all major population clusters, carry college-level services to every corner of southern Mississippi and funnel advanced-level students back toward the growing facilities of USM's central campus. Serving this exciting and accelerating growth of the region centered in southern Mississippi, the University of Southern Mississippi serves the young-at-heart and adventurous of any age from anywhere.

How to Use This Bulletin

This annual catalog issue of the University of Southern Mississippi *Bulletin* is aimed at two audiences:

(1) the prospective student and those whose advice is important to him—his family, his employer, his high school counselor, and his friends;

(2) the student already enrolled in the University who is now, or will soon be, a candidate for a baccalaureate, or undergraduate degree.

If you are a prospective student, either freshman or transfer, this may well be the first University "textbook" you will need to study in detail. If you are a candidate for a degree, this may well be the last "textbook" you must check before you graduate.

So hold on to your copy of this catalog; keep it by you and learn to use it like the infantryman lives with and learns to use his rifle. It can save you time and sweat, and maybe even your academic life.

As with all University textbooks, this catalog contains references to supplementary reading. For example, three other issues of the *Bulletin* are published each year: one on the Summer Quarter, one on the Graduate School, and one on correspondence work under the Division of Continuing Education. Since these supplemental bulletins are available on request from the Registrar's Office, we do not include in this annual catalog issue of the *Bulletin* detailed information about the Summer Quarter, or the Graduate School, or correspondence work, except for those features of possible importance to candidates for baccalaureate degrees. Similarly, we do not repeat here details which are better covered in such student publications as *The Freshman Woman's Handbook* or the Student Government Association's guidebook, *The Drawl,* copies of which are made available to incoming students as part of the regular orientation procedure.

As with all University textbooks, you may find it helpful to use the "SQ3R" method of learning the material in this *Bulletin.* SQ3R means "survey, question, read, recite, and review." Use the Table of Contents outline on the opposite page to survey. Then ask yourself particular questions to which you want specific answers. For example, if you are a high school senior you may want to know what requirements you must still meet to gain admission to the University, and what dates are important in filing your admission application. The Table of Contents will direct you to the particular sections which can answer your questions—in this case the 1965-66 Calendar, and Part II. Read these sections for the appropriate answer; then recite to yourself or to a friend the details of that answer; finally, review or re-read (what the psychologists call "reinforce") the relevant catalog sections to see how thoroughly you know the answer.

You will note from the Table of Contents that we have learned by experience that most questions will fall into six major categories. These six parts follow each other in logical order, preceded by the 1965-66 Calendar.

The purpose of Part I, for example, is to help you decide whether or not you should "join" a university, and whether or not the University of Southern Mississippi is the "right" one—in philosophy and objectives—for you to join. Once these major "whether" and "why" questions are answered, then in Part II you should find the answers to "how" and "what" and "when."

Part III summarizes the information you need about both student expenses and the scholarship and other financial aids available to help meet those expenses.

Part IV covers the academic regulations which govern the degree-seeking student—once he is admitted—all the way through from the Basic College to baccalaureate graduation. As a candidate for a degree, it will be your responsibility to plan your program so that you can meet these degree requirements.

Part V does for each department in detail what Part IV does in general terms for the degree-granting colleges, schools, and divisions—that is, state each academic department's curricular objectives, with recommended course sequences. Following these objectives for each department are descriptions of numbered courses offered to undergraduates in the 1965-66 curriculum. Graduate courses, as explained above, are described in the Graduate School issue of the *Bulletin.*

Part VI then winds up this annual catalog issue of the *Bulletin* (save for the Index) by listing names and academic qualifications and rank of trustees, administrative officers, faculty, and staff.

TABLE OF CONTENTS

	Page No.
CALENDAR: 1965-1966	6
PART I —ON JOINING A UNIVERSITY: USM AND YOU	11
PART II —GENERAL INFORMATION	
Admission Requirements	22
Application Procedures	24
Orientation and Counseling Services	25
The Student Community: Campus Life and Activities	25
PART III—SUMMARY OF STUDENT EXPENSES AND AVAILABLE FINANCIAL HELP	
Student Expenses	32
Student Aid and Scholarships	36
PART IV—FROM BASIC COLLEGE TO BACCALAUREATE DEGREE: GENERAL ACADEMIC REQUIREMENTS	40
Organization for Instruction	41
General Academic Regulations	42
General Degree Requirements	45
Specific Degree Requirements by Choice of Specialization	48
PART V —CURRICULAR OBJECTIVES AND DESCRIPTIONS OF NUMBERED COURSES	
The Basic College (Core and Pre-Professional Curricula)	53
College of Arts and Sciences	60
Biology	61
Chemistry	69
Communication (Journalism, Public Address, Radio-Television)	72
Economics (B.A.)	77
English and Literature	78
Foreign Languages	80
Geography and Geology	83
History	88
Mathematics	91
Military Science	94
Physics and Astronomy	98
Political Science	100
Religion and Philosophy	102
Science Education: Fundamentals of Science	105
Sociology	107
Speech and Hearing Sciences	110
School of Business Administration	114
Accounting	116
Economics (B.S.)	118
Finance and General Business	121
Management	124
Marketing	127
School of Education and Psychology: Special Services	131
Business Education	138
Educational Foundations	142
Elementary Education	142
Guidance	144
Health, Physical Education, and Recreation	145
Industrial Arts	152
Library Science	156
Psychology: Special Education	159
School Administration	163
Science Education: Fundamentals of Science	163
Secondary Education	166
School of Fine Arts	
Art	169
Music	175
Music Education	186
Theatre	193
Division of Continuing Education	197
Division of Home Economics	200
PART VI—TRUSTEES, ADMINISTRATION, FACULTY, AND STAFF	216
INDEX	239

1965

JANUARY

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

FEBRUARY

S	M	T	W	T	F	S
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AUGUST

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26	27	28	29	30	31	

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JANUARY

S	M	T	W	T	F	S
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2	3	4	5	6	7	8
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31						

CALENDAR

GENERAL CALENDAR 1965-1966

FALL QUARTER—1965

Friday, August 27, 1965
Deadline for making application for admission

Tuesday through Saturday, August 31-September 4
Pre-school rush—fraternities and sororities

Thursday and Friday, September 2 and 3
Various pre-quarter faculty and departmental meetings (faculty on duty)

Sunday, September 5
1:00 P.M. Dormitories open for freshman and transfer students

Monday and Tuesday, September 6 and 7
8:00 A.M. Orientation for freshman and transfer students

Tuesday, September 7
9:00 A.M. Dormitories open for former students
5:00 P.M. Registration for night and graduate courses
7:00 P.M. Tuesday night classes meet

Wednesday, September 8
Registration for Basic College
Registration for former students
(All registration is by appointment)

Thursday, September 9
Continuation of registration of former students by appointment

Friday and Saturday, September 10 and 11
8:00 A.M. Classes meet on schedule (Saturday classes meet on Monday schedule)

Friday, September 10
8:00 A.M. Fee for adding and dropping courses effective

Friday, September 17
Last day for registering or adding fall quarter courses

Wednesday, September 22
Last day for dropping courses without academic penalty

Saturday, October 2
National Teacher Examination

Monday, October 18
Beginning of second term of fall quarter—only date for adding or registering for second term courses without financial penalty. (Date for reporting mid-term deficiencies)

Thursday, October 21
English Proficiency Examination

Saturday, November 13
Graduate Record Examination

Friday, Saturday, Monday, November 19, 20, 22
Fall quarter examinations

WINTER QUARTER—1965-66

Tuesday, November 9, 1965
Deadline for making application for admission for the winter quarter

Monday, November 29
5:00 P.M. Registration for night and graduate courses
7:00 P.M. Monday night classes meet

Tuesday, November 30
Registration of undergraduate students by appointment

Wednesday, December 1
Continuation of registration by appointment. Last day of registration without late registration fee.

Thursday and Friday, December 2 and 3
8:00 A.M. Classes meet on schedule
Fee for adding and dropping courses effective on Thursday, December 2

Thursday, December 9
Last day for registering or adding winter quarter courses

Wednesday, December 15
Last day for dropping courses without academic penalty

Friday, December 17
6:00 P.M. Christmas holidays begin (Friday night and Saturday morning classes will meet)

Saturday, January 1, 1966
Deadline for making application for admission for the second term of the winter quarter.

Monday, January 3
8:00 A.M. Class work resumed

Saturday, January 15
Graduate Record Examination

Wednesday, January 19
8:00 A.M. Registration for second term of winter quarter. Only date for adding courses without financial penalty.

Thursday, January 20
Beginning of second term of winter quarter. (Date for reporting mid-term deficiencies)

Thursday, January 27
English Proficiency Examination

Thursday, Friday, Saturday, February 24, 25, 26
Winter quarter examinations

Saturday, February 26
Last day to file degree applications for May graduation

SPRING QUARTER—1966

Monday, February 14, 1966
Deadline for making application for admission for the spring quarter

Monday, March 7
8:00 A.M. Registration of undergraduate students by appointment
5:00 P.M. Registration for night and graduate courses
7:00 P.M. Monday night classes meet

Tuesday, March 8
Continuation of registration. Last day to register without late fee

Wednesday, Thursday, Friday, Saturday, March 9, 10, 11, 12
8:00 A.M. Classes meet on schedule (Saturday classes meet on Monday schedule)
Fee for adding and dropping courses effective on Wednesday, March 9

Wednesday, March 16
Last day for registering or adding spring quarter courses

Saturday, March 19
National Teacher Examination

Monday, March 21
Last day for dropping courses without academic penalty

Wednesday, March 30
University of Southern Mississippi Day

Thursday, April 7
6:00 P.M. Easter holidays begin (Thursday and Friday night classes and Saturday morning classes will meet)

Tuesday, April 12
8:00 A.M. Class work resumed

Monday, April 18
Beginning of second term of spring quarter—only date for adding or registering for second term courses without financial penalty. (Date for reporting mid-term deficiencies)

Thursday, April 21
English Proficiency Examination

Saturday, April 23
Graduate Record Examination

Tuesday, May 3
10:00 A.M. Honors Day convocation

Thursday, Friday, Saturday, May 19, 20, 21
Spring quarter examinations

Saturday, May 21
Last day to file degree applications for August graduation

Wednesday, May 25
5:45 P.M. Graduation exercises

SUMMER QUARTER—1966

Tuesday, May 10, 1966
Deadline for making application for admission for the summer quarter

Tuesday, May 31
8:00 A.M. Orientation for freshman and transfer students
5:00 P.M. Registration for night and graduate courses
7:00 P.M. Tuesday night classes meet

Wednesday, June 1
Registration of undergraduate students by appointment
Only day to register for summer quarter without late fee

Thursday, Friday, Saturday, June 2, 3, and 4
8:00 A.M. Classes meet on schedule (Saturday classes meet on Monday schedule)

Saturday, June 4
Last day for registering or adding first term courses

Tuesday, June 7
Last day for dropping first term courses without academic penalty

Thursday, June 9
Last day for registering or adding full quarter courses

Monday, June 13
Deadline for making application for admission for the second term of the summer quarter

Wednesday, June 15
Last day for dropping full quarter courses without academic penalty

Friday, July 1
First term examinations

Monday, July 4
8:00 A.M. Registration for second term of summer quarter. Second term courses may be added on this date without financial penalty

Wednesday, July 6
Last day for registering or adding second term courses

Thursday, July 7
English Proficiency Examination

Friday, July 8
Last day for dropping second term courses without academic penalty

Saturday, July 9
Graduate Record Examination

Saturday, July 16
National Teacher Examination

Thursday, Friday, Saturday, August 4, 5, 6
Summer quarter examinations

Wednesday, August 10
5:45 P.M. Graduation exercises

PART ONE

ON JOINING A UNIVERSITY: USM AND YOU

The Use of Knowledge
The Distinction of USM
USM's Plan for Growth
The Tetrahedron Model
Research and the Teaching-Learning-Service Matrix
Student Growth and the Tetrahedron
The Alumnus as a Continuing Student
University-Based as well as University-Trained
Year-Round and Area-Wide Operation
The Quarter Hour Credit System
Service to Mississippi Not Parochial
The Latin-American Institute
The Mississippi Model in a Changing World
How the University is Organized
Academic Programs Currently Offered

ON JOINING A UNIVERSITY: USM AND YOU

The Use of Knowledge

September 18th, 1962: "We gave them not only knowledge but advice on how to use it. They became missionaries . . ."

Former State Superintendent of Education, Dr. W. F. Bond, was speaking to a band of alumni and friends at the Fiftieth Anniversary re-enactment of the opening of Mississippi Normal College. Like St. Paul, he told a story much of which had been part of him, and all of which he had seen.

A member of the first faculty at the Mississippi Normal College, Willard Faroe Bond joined that pioneer faculty by driving his herd of cattle 35 miles through the "piney woods" to the campus at Hattiesburg. As he emphasized on the re-enactment morning, the story of half a century of growth in Mississippi public education is told essentially through these Hattiesburg chapter titles:

Mississippi Normal College	1910-1924 (enabling act in 1910)
State Teachers College	1924-1940
Mississippi Southern College	1940-1962
University of Southern Mississippi	1962-

The Distinction of USM

The pioneer qualities of independence and energy and optimism, improvisation and self-help, and, above all, the American faith that **everyone** is educable in one capacity or another **if he works hard enough**—these have characterized "Southern" from the beginning. They still do.

The unique feature of the University of Southern Mississippi is that it has become scholarly across the whole range of University disciplines without losing its "normal" evangelism. The steady accumulation of intellectual resources here is not an escape from reality, but, rather, a strengthening of the levers of action: an evidence that gentility and culture can be combined with pioneer endurance and strength and decisiveness.

At this University, they are.

Another distinguishing feature of this University is that it has from the beginning seen public education as an entity, a whole, in which each element depends on all other elements—the infant being, truly, father of the seer. In this philosophy, the University's many branches of knowledge can not be separated from their roots in the region's elementary and secondary schools and junior colleges. Growth far out along the spreading branches must depend on equivalent growth of the supporting adult community.

This is not only the University's philosophy; it has been its history of action—to lift Mississippi not so much through the narrowly chosen few as through the broad lever of the many in the schools and businesses of its region.

And because this has been the University of Southern Mississippi's history, the ultimate distinguishing feature of this University has been its success in carrying the Mississippi people along with it. Its wisdom has been in large part the wisdom of knowing when to move and when to wait, when to fight and when to forgive and forget. It has seen that fanatically intolerant men are not the best teachers; philosophers are—and have to be—patient, knowing that a tactical pause is sometimes the prerequisite for a strategic advance: a lesson well worth learning.

The University of Southern Mississippi, in other words, has communicated through time and space to build a pyramid of knowledge of other cultures; it has not, while doing so, made the fatal mistake of letting "higher education" separate it from the strength-giving roots in its own culture. On the contrary, the University's mission to put knowledge at the service of Mississippi has reinforced itself in feedback loops through the education system as a whole. Each fortunate advance has made possible fresh advances.

USM's Plan for Growth

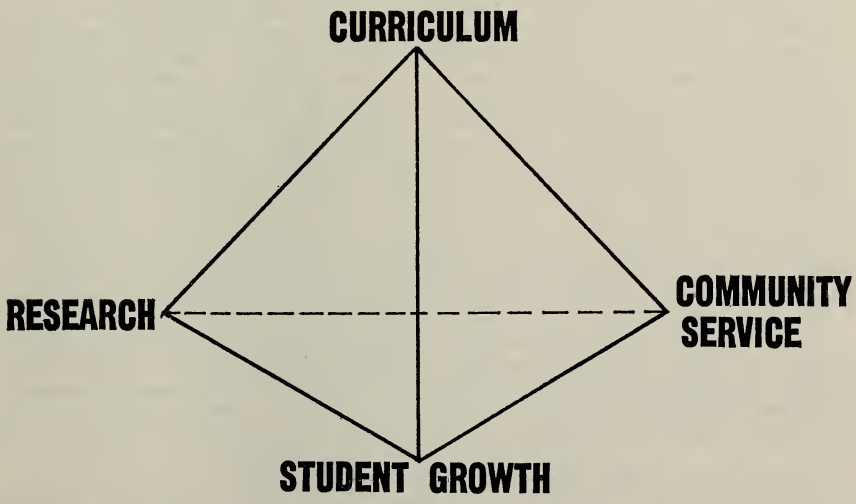
The result of such continuous renewal is evidenced in more than just physical growth alone, however impressive the University's growth has now become.

The farsighted generosity of Forrest County and the city of Hattiesburg, in offering 840 acres in several parcels of land and $260,000 in cash, among other considerations, to locate the original College, made possible the construction of five brick buildings in time for the 1912 opening, when 18 faculty members greeted the first 230 students. Those five buildings, repaired and renovated as necessary, are still in use; ten times that many other buildings have since been completed to care for a student body which, by the fall of 1965 will have passed 6,500 in all categories, with the predictable "bulge" yet to come. The Master Plan for USM growth anticipates more than 10,000 students within the decade.

Growth in academic standards has kept pace with the growth in physical plant. In the fall of 1963 visiting teams from the Southern Association of Colleges and Schools and from the National Council for the Accreditation of Teacher Education thoroughly reviewed the University's "Institutional Self-Study" to chart the University's course for the decade ahead. The Self-Study objectives and the Faculty Handbook's statement of the University's philosophy drew praise from critics of national reputation.

The Tetrahedron Model

The philosophy and objectives of the University of Southern Mississippi can most easily be visualized in the symbol of a tetrahedron—a three-dimensional pyramid made up of four triangular faces, with four apices. These four apices or points of the pyramid may be labeled as shown:



The significant feature of this tetrahedronal model is that each apex of the pyramid is supported by a balanced tripod of lines connecting it with each other apex. It is this mutually supporting, inherently distortion-free, triangulation in three dimensions which illustrates the basic virtues in the University structure.

Research and the Teaching-Learning-Service Matrix

For example, much thought is now being given to the role of advanced research in Mississippi's future development. Long administrative experience has shown that research is most creative and productive when it is supported by a teaching-learning-service matrix. To be specific: a curriculum and faculty organized around the known can make the best possible springboard for advance into the unknown, for many reasons: as a lattice or body of literature for pinpointing knowledge gaps, as a sounding board for testing hypotheses, or as a reservoir of special insights which can help the researcher to "stumble" upon unanticipated revelations. So, too, the University's relationships with its more advanced students can strengthen rather than dissipate research effort. There is often great advantage in enrolling the fresh minds of students when research must go beyond stereotyped thinking. And, finally, the University's tradition of unprejudiced service to the community as a whole can prevent sponsored research from becoming too specialized or unbalanced in its interests.

Research has been strengthened at the University of Southern Mississippi in several ways. The number of graduate programs at the doctoral level has been increased; the University has established its own learned journal, **The Southern Quarterly**; the library research materials have been greatly increased; the Computer Center has been equipped to expedite contracts and faculty research; and the Office of Research and Projects has been established by the University to promote research and to assist faculty members in their research activities. For further information on the University's research potential, see the Graduate Bulletin.

Student Growth and the Tetrahedron

As the University structure gives a tripod of teaching-learning-service support to creative research, so likewise does the tetrahedron's three-dimensional triangulation support student growth. In sum, students as well as researchers **belong** in the University setting, since this is where they work most productively. While it is true that educational research (some of it achieved at this University) has made it possible to acquire information independently through programed texts or tapes or other instructional aids, the same expanding body of educational research has re-emphasized the advantages of problem-oriented **inquiry** in selected groups where the material to be examined **critically** benefits from group interchange and the guidance and inspiration of a great teacher. For many people, indeed, the best teachers are often other students, both in and out of formal classes. Each advance in programed learning, in short, while making it possible for students to acquire information independently, makes it all the more advantageous for students to test their newly developing ideas in a University setting, where their background information can be reinforced by intensely critical discussion. Books and tapes **can** give the knowledge built into them; but "advice on how to use" that knowledge, and even the perspective necessary to select the books and tapes wisely—these grow best in the University culture.

This student growth in intellectual maturity along the axis from independent **acquiry** to Socratic **inquiry** is, indeed, the University's long-tested method by which it helps the student build his own framework of learning skills and ideas which will then allow him to **keep on growing** both in acquiry and inquiry long after he leaves the University community.

The Alumnus as a Continuing Student

The University of Southern Mississippi claims "once a Southerner, always a Southerner." This claim assumes that the University-trained student is a University-based student, carrying over after graduation the critical and creative faculties which his University experience has helped to develop. The **University of Southern Mississippi Alumni Association** is specifically aimed at the alumnus as a continuing student; and the Association's membership record, local chapter organization, program of activities, and communications are based on this continuing-student concept.

The Alumni Association publishes **Alumni News** four times a year, and **Southern News and Views** four times a year, the object of both publications being to link "continuing students" to the campus through current information on campus activities. The Alumni Association helped to set up the University of Southern Mississippi Foundation which, as outlined in Part III below, channels alumni gifts and grants into student scholarships.

Prominent among the gifts of alumni is the **Sam Woods Collection,** a legacy of the late Sam E. Woods, former United States consul general in Switzerland, who left to the University a collection of paintings, Flemish tapestries, Renaissance furniture, and rare books. Among the more than 1,100 very valuable books housed in the Sam Woods Room in the Joe Cook Memorial Library are several sixteenth and seventeenth-century atlases, and rare Bibles illustrated by Durer and other old masters. Of special interest are approximately fifty illuminated pages from incunabula. The 230 paintings given by Mr. Woods are displayed in other campus buildings as well as in the Library.

University-Based as well as University-Trained

The continuous explosion of knowledge with its accompanying change in the rate of change is forcing every educated person (including members of the University faculty) to keep on with his education if he wishes to remain a leader. The relation of "continuing students" to the University, therefore, is itself changing. Alumni in every business and profession are today conscious of the very real fact that their everyday practice is increasingly dependent on the central reservoir of knowledge and skills growing from the University's constant advance. Today's leaders, as a result, are not so much University-**trained** as University-**based.** The University experience is no longer something they look back upon; it is with them every day in the form of extension lectures, campus workshops, research reports, and even refresher or advanced degree courses.

Year-Round and Area-Wide Operation

To serve this University-based leadership, the University of Southern Mississippi operates the year around and reaches as far off the central campus as its funds and the available facilities will permit. Visiting artists sponsored by the University, as well as the abundant talent represented in the University's own faculty and student body (see Part II below) are a large part of the cultural life of the University-centered area. The University's **Division of Continuing Education,** working through its correspondence department, extension and resident centers, conferences and workshops, extends the University's services to a large and growing number (see the issue of the University Bulletin devoted to the Division of Continuing Education for further details).

The University of Southern Mississippi has from the beginning operated a Summer Quarter financed largely by the students themselves. Originally intended to serve teachers who could continue their professional growth by going back to college in the summer vacation period, the Summer Quarter has been consistently one of the largest quarters in the academic year in terms of numbers of students. It still serves teachers, but the even more important function of the Summer Quarter today is the opportunity it gives to other students in the University to attend the year around, either to speed up or enrich their degree programs. In the near future the Summer Quarter may be equally important to business or other professional people who wish to build their educational background in a long vacation.

See the Summer Quarter issue of the University Bulletin for additional details.

The Quarter Hour Credit System

One advantage which the Summer Quarter and year-round operation have built in to the University of Southern Mississippi's academic system is the efficiency with which credit transfers can be made to and from other colleges and universities, whether these other schools are operated on quarters, semesters, or trimesters.

By definition, the University of Southern Mississippi academic year, beginning in September with the fall quarter and ending in August with the summer quarter, includes four quarters.

A normal quarter is eleven weeks in length, and for certain courses can be divided into two terms. Thus students transferring after the first semester at another university can usually enter the second term of the winter quarter at the University of Southern Mississippi without loss of time or credit.

By definition also, one "credit" (also called a quarter hour or hour) at the University represents the successful pursuit of a subject for one quarter for one 60-minute class period per week (laboratory periods are normally 120 minutes). For example, a course scheduled to meet four times a week during one quarter earns four "credits." Since a normal "semester" is considered to be seventeen weeks in length, the University of Southern Mississippi reckons that two **semester** hours of credit are the equivalent of three **quarter** hours of credit. Transfers of credit are evaluated accordingly.

In an average year as much as one third of the University's students may be transfer students, many of them from junior colleges cooperating fully with the University in curriculum planning for the freshman and sophomore years.

Service to Mississippi Not Parochial

The high proportion of transfer students in the University's total enrollment is almost matched by the high proportion of students from outside the State of Mississippi who pay out-of-state fees (see Part III) so as not to burden Mississippi taxpayers. In an average year as much as one fourth of the student body may be from out of state—a true indication that the University's commitment of service to Mississippi has not made it parochial or narrow-minded.

Because well-educated Mississippi graduates are in demand outside Mississippi, and because many of the out-of-state students at the University want to make their future homes in a growing Mississippi, the **University Placement Bureau** works with both Mississippi and national employers to help graduating students find positions of their choice.

The growing reputation of the University both within and outside the State, achieved by the career success of former graduates in all professional fields, is in a true sense the alumni's greatest bequest to present undergraduates, as the Placement Bureau can testify.

In order to receive maximum benefit from the services of the Placement Bureau in its year-round program, graduating seniors are advised to register with the Bureau not later than September prior to the planned date of graduation.

The Latin-American Institute

Another indication that the University's commitment of service to Mississippi is not parochial is provided by The Latin-American Institute, which has operated successfully under University sponsorship since its founding here in 1947 by the late Colonel Melvin G. Nydegger. Each quarter, the Institute offers a ten-week orientation course to non-English-speaking people, with classes in the culture and customs of the United States, and in the English language, including conversation, grammar, and composition. These courses are attended by business and professional people and students from Latin America and other countries who are accepted as international guests of the University.

Students enrolled in The Latin-American Institute accept over 300 hours of instruction during the ten-week period, using the latest teaching methods and materials including teaching machines and programed texts, tapes, audio-visual aids, etc.

An examination to test the foreign student's proficiency in English is offered through the Institute at specified dates during the year. Any foreign student may take this examination by applying to the Institute two weeks in advance of the specified date. There is a charge of one dollar each time the

examination is taken, but students enrolled in the Institute may take the examination free for the first time.

Students interested in inter-American affairs will find many opportunities for profitable study at the University of Southern Mississippi, with the added advantage of the chance to mix with Latin-American students and practice speaking Spanish or Portuguese. For further information, write to the Director, The Latin-American Institute.

The Mississippi Model in a Changing World

The final important fact about the University of Southern Mississippi is that its commitment of service to the State of Mississippi has now acquired a universal significance. This is so simply because in a rapidly changing world, the Central Gulf South area centered by the University and intimately known to the University is itself a world in microcosm, superimposing some of the most challenging experiments man has yet undertaken on top of a regional culture as well-established and homogeneous as any in the Americas.

If, by ranging the cultural worlds of time and of space, the University of Southern Mississippi can help its students discover for themselves what is worth fighting for and what must be modified in their own cultures and their own life patterns, it will be creating for the world a much-needed model.

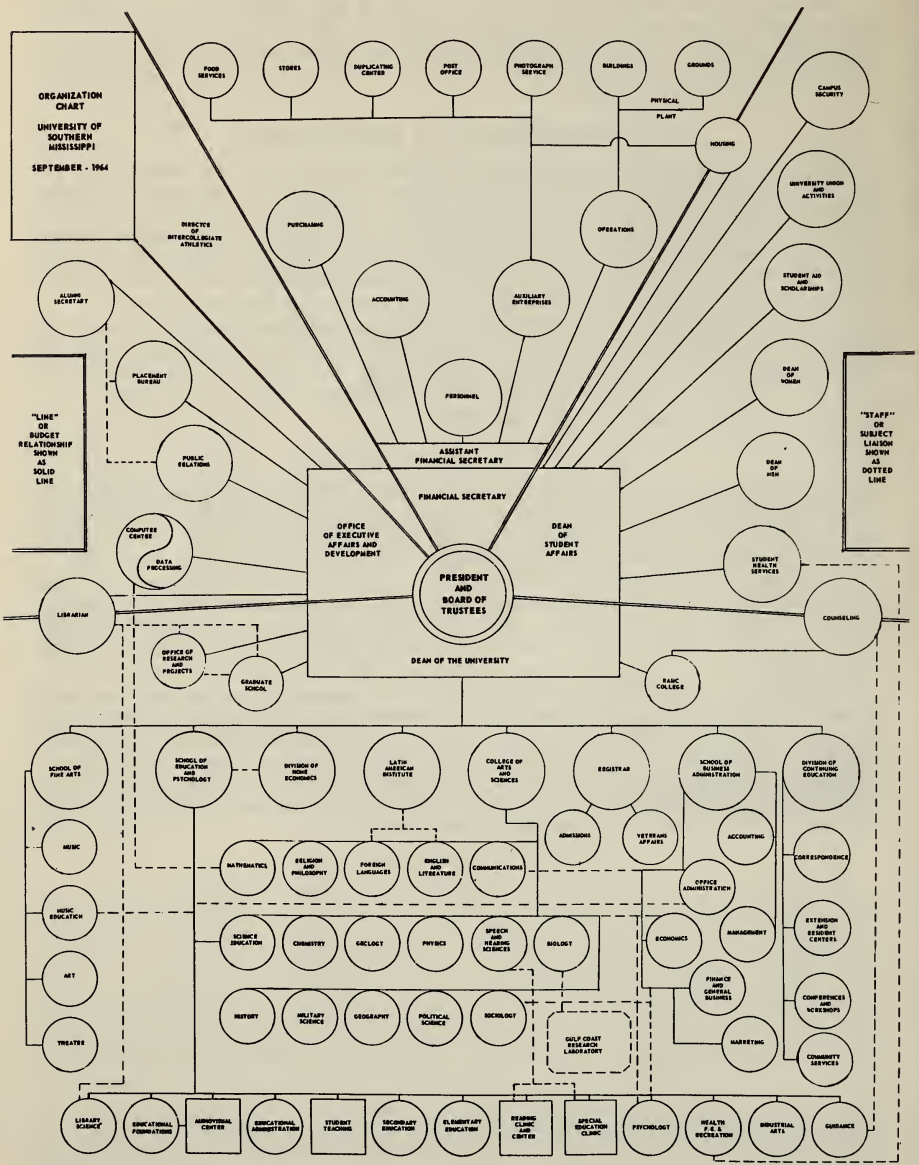
That is aim enough for any University.

How the University is Organized

The chart on the next page, correct as of September 1964, is an attempt to show in simplified form the complex organization required to run this large—and growing!—University. While the incoming student may not have any direct or immediate contact with more than one or two of the offices indicated—"admissions," for example, or "housing" or the "Financial Secretary" or the "Basic College"—all of the offices and departments shown are involved, sooner or later, in one way or another, with helping the student toward his planned career. A study of the chart's significant relationships, therefore, will be well worthwhile.

Two major changes have been made in the organization of the academic sector since the chart was drawn. The Department of Office Administration, formerly under the School of Business Administration, has been moved to the School of Education and Psychology and retitled the Department of Business Education. Under the College of Arts and Sciences, the two "earth sciences" of Geography and Geology have now been combined under one administration with the title of Department of Geography and Geology.

Organization Chart



Academic Programs Currently Offered

The bottom half of the organization chart on the facing page indicates the academic structure for which the Dean of the University is immediately responsible. Incoming freshmen and sophomores are enrolled in the Basic College from which, when appropriately qualified, they transfer to the degree-granting college, school, or division of their "major" interest.

The baccalaureate or undergraduate degree may currently be won in any of the following areas of specialization. Graduate or post-baccalaureate degree programs are detailed in the Graduate Bulletin.

College of Arts and Sciences

- Biology
- Botany
- Microbiology
- Zoology
- Chemistry
- Communications
- Journalism
- Public Address
- Radio-Television
- Economics
- Foreign Trade
- English
- French
- German
- Spanish
- Geography
- Geology
- History
- Mathematics
- Physics
- Political Science
- Philosophy
- Religion and Philosophy
- Sociology
- Speech and Hearing Sciences
- Audiology
- Language Disorders
- Speech Pathology

School of Business Administration

- Accounting
- Economics
- Finance
- General Business
- Marketing
- Industrial Management
- Personnel Management

School of Education and Psychology

- Elementary Education
- Secondary Education
- Business Education
- Office Management
- Executive Secretarial Studies
- General Speech Education
- Audiology
- Language Disorders
- Speech Pathology
- General Science Education
- Psychology
- Special Education
- Health and Physical Education
- Recreation
- Industrial Arts

Architectural Drafting
Library Science

School of Fine Arts

Art
Commercial Art
Drawing and Painting
Church Music
General Music Education
Instrumental Music Education
Music History and Literature
Applied Music
Organ
Piano
String Instruments
Theory-Composition
Voice
Wind Instruments
Theatre

Division of Home Economics

General Home Economics
Child Development
Clothing Merchandising
Clothing and Textiles
Food and Nutrition
Institution Management—Dietetics
Institution Management—Commercial
Teaching Home Economics Education
Home Economics Extension Service
Home Economics in Equipment

Obviously, many of these majors involve the closest cooperation among the University's academic departments. A more detailed analysis of degree programs, "majors" and "minors," concludes PART IV of this catalog.

PART TWO

GENERAL INFORMATION

Admission Requirements

For entering freshmen

For transfer students
Limitation on Transfer of Credits
Limitation on Acceptance of Military Credit

For military personnel: the "Bootstrap" program

For foreign students
Regular University Programs
The Latin-American Institute

For correspondence and off-campus courses

For special non-degree-seeking students in the regular University

Application Procedures

Orientation and Counseling Services

Academic Advisement

Office of Student Counseling

Remedial Services

The Student Community: Campus Life and Activities

Living Accommodations

Health and Safety Services

Automobiles on Campus

Student Activities
Student Government
Student Publications
Religious Life
Organizations
Athletics
R. C. Cook University Union

ADMISSION REQUIREMENTS AND PROCEDURES

Requirements for entering freshmen:

1. The applicant must be a graduate of an accredited secondary school, must present sixteen acceptable units of secondary school credit, and must present a minimum of twelve units in college preparatory subjects such as English, foreign language, history and social studies, mathematics, and physical or biological sciences. A score of at least 15 on an appropriate sub-test of the American College Test may permit a waiver of the minimum requirement of units in a subject area.

2. The applicant must have a composite standard score on the American College Test of at least 15. An applicant may be given an opportunity locally to take the ACT a second time. An applicant may also receive consideration on his general record in secondary school. No other test or tests may be accepted as a substitute for the American College Test without permission of the Director of Admissions.

3. The academic record, character, and conditions of application of the applicant must be in accordance with the rules and regulations of the Board of Trustees of State Institutions of Higher Learning and with the laws of the State of Mississippi. The applicant must have excellent moral character in conformity with the generally accepted standards customarily in effect in the University.

4. Special consideration may be given to applicants with fifteen acceptable units of secondary school credit who, although they have not graduated from high school, have extremely high scores on examinations determined by the Director of Admissions.

5. An applicant who has not graduated from high school and who is at least twenty years of age may be admitted on the basis of successful completion of a general educational development test (high school level) if all other admission criteria are met.

Requirements for transfer students:

1. The applicant must be eligible to return, in good standing, to the institution last attended. Applicants who have been suspended from the last college attended are **ineligible** for admission to the University of Southern Mississippi.

2. Transfer applicants from other Mississippi colleges or universities must present academic averages of at least "C" in order to enter in good standing. Applicants with averages of less than "C" may be given consideration for admission on academic probation if their ACT scores are satisfactory.

3. Transfer applicants from colleges or universities outside Mississippi must present academic averages of at least "C" in order to be admitted.

4. All transfer applicants must present their American College Test scores.

5. Transfer applicants who are admitted at the junior or senior class levels who have not yet completed the core requirements of the Basic College may be granted a **Provisional Admission**. Students admitted on this provisional basis must correct the deficiency during the first three quarters of attendance at the University of Southern Mississippi.

6. Transfer students from other Mississippi institutions who are admitted with an over-all academic average of less than "C" will be placed on academic probation, and courses on which grades of "D" have been made will not be accepted for transfer. All courses attempted at prior institutions will be considered in determining the student's over-all average.

Limitation on Transfer of Credits

Not more than 99 quarter hours (66 semester hours) may be transferred from a junior college. If a transfer student has earned a total of 99 quarter hours in combined junior and senior college or other credits, no additional credit will be accepted from a junior college. No former students of the

University of Southern Mississippi will be allowed to transfer credits earned at a junior college once they have earned a total of 99 quarter hours from all sources. In the 192-quarter-hour minimum requirement for a baccalaureate degree, at least 96 hours must be earned in a senior college.

A maximum of 96 quarter hours of credit earned through correspondence courses, extension courses, and military experiences can be counted toward a degree at the University of Southern Mississippi. No more than 48 quarter hours earned in correspondence and/or extension may be counted toward a degree.

Limitation on Acceptance of Military Credit

1. No credit is awarded for the General Educational Development Tests, College Level.

2. No credit is awarded for completion of non-enrolled courses through the United States Armed Forces Institute.

3. Credit for other military experiences may be awarded on the basis of recommendations of the American Council on Education.

4. The maximum amount of credit allowed for military experiences is covered in the second paragraph of the limitation on transfer of credits section above.

Requirements for military personnel: the "Bootstrap" program:

1. In order to receive an official evaluation of credits to determine eligibility for "Bootstrap" attendance, the following educational credentials must be forwarded:

a. A properly executed military Form DD 295.

b. Official transcripts bearing the college seal from each institution previously attended.

c. Official transcripts of correspondence courses completed through the United States Armed Forces Institute, Madison, Wisconsin.

d. Official high school transcript.

e. An application for admission should be submitted with the request for evaluation.

2. All documents and correspondence should be directed to:
Miss Katherine Brown
Coordinator of Armed Forces Education
University of Southern Mississippi
Southern Station, Box 6, Hattiesburg, Mississippi

3. When eligibility for "Bootstrap" attendance has been determined, the student is required to submit five recommendations and a medical examination form before the letter of acceptance can be written. The American College Test must be completed before coming to the campus.

Requirements for foreign students: regular University programs:

1. Foreign students without previous records at colleges or universities within the United States must meet the requirements outlined above for admission as freshmen with the exception of the American College Test requirement.

2. Foreign students who have already attended colleges or universities within the United States must meet the requirements outlined above for admission as transfer students.

3. All applicants who are not citizens of an English-speaking country must furnish the Director of Admissions with a certificate of proficiency in the English language. The English proficiency examination may be completed at the U.S. Consulate in foreign countries or at The Latin-American Institute at the University of Southern Mississippi. No foreign student can be admitted to a regular University of Southern Mississippi program without satisfactory evidence of English proficiency. Because it normally requires several months to process all

necessary documents, foreign students are urged to apply for admission as early as possible.

Requirements for foreign students: The Latin-American Institute:

Students interested in attending The Latin-American Institute at the University of Southern Mississippi for intensified studies in English should direct all correspondence to:

Mr. Ralph M. Siverio, Director
The Latin-American Institute
University of Southern Mississippi
Southern Station, Box 65, Hattiesburg, Mississippi

Correspondence and off-campus courses:

Students interested in registering for courses by correspondence or at extension centers should direct all communications to:

Dr. Paul Morgan, Dean
Division of Continuing Education
University of Southern Mississippi
Southern Station, Box 55, Hattiesburg, Mississippi

A Resident Center of the University is located in Natchez, Mississippi. Application forms, class schedules, and other items of information about this center are available from:

Mr. Allen Thompson, Director
Natchez Resident Center, University of Southern Mississippi
P.O. Box 794, Natchez, Mississippi

Special, non-degree-seeking students in the regular University:

Applicants who desire to register for regular University courses on the Hattiesburg campus but who do not plan to enter a degree program should direct their inquiries to the Admissions Office, Hattiesburg telephone 266-7113. Special students are required to submit the following documents by the application deadline date:

1. Undergraduate application form.
2. Recommendation signatures form.
3. High School transcript or Letter of Good Standing from the last institution attended.

APPLICATION PROCEDURES

In making application for admission to the regular University the following procedures must be followed:

1. Write to the Director of Admissions, Southern Station, Box 11, Hattiesburg, Mississippi for undergraduate application materials.

2. Complete the application form, medical examination record, and obtain the recommendation signatures on the form provided. Return these items to the Director of Admissions before the deadline date of the quarter for which you are applying.

3. Furnish your high school principal with the transcript request form in order that he may release your high school transcript to the Director of Admissions (a partial transcript should be mailed showing your work completed through the first semester of your senior high school year with a supplementary transcript mailed after you have graduated). If you are applying for admission as a transfer student you must request the registrar at each college or university previously attended to furnish the Director of Admissions with a transcript of your credits. An official transcript must be submitted from each college or university attended even though all of your credits may be posted to the transcript at the last institution attended.

4. Scores from the American College Test must be received before action can be taken on your application. The ACT information sheet supplied with the application materials furnishes the dates and places of testing and test registration instructions.

5. All credentials must be received by the Director of Admissions showing a postmark no later than midnight of the final day for submitting applications. The application deadline dates for the 1965-66 academic year are listed in the Calendar at the beginning of this bulletin.

ORIENTATION AND COUNSELING SERVICES

Orientation and counseling services for students begin even before the academic year begins with special summer sessions for those who expect to enter the University in the fall quarter. The summer programs give entering students the opportunity, working informally with trained counselors, to see the campus and meet many of the administrative officers and faculty, appraise their own academic aptitudes and skills, explore their personal interests as they relate to educational and vocational goals, learn about possible career-related degree programs and majors, and plan their work and schedules for the fall quarter. For information regarding these summer orientation and counseling programs write to:

Dr. Sidney Weatherford, Director of Student Counseling
Southern Station, Box 75, Hattiesburg, Mississippi.

Orientation continues for new students, both freshman and transfer, with a concentrated program immediately preceding fall quarter registration (see the Calendar), when student leaders join the faculty in introducing new students to campus life.

Academic Advisement: Freshman and sophomore students enrolled in the Basic College are assigned academic advisers by the Dean of the Basic College. These advisers work closely with the Director of Student Counseling. Students pursuing pre-professional curricula have special advisers whose interests and training equip them to give appropriate guidance in course selection. When the student transfers from the Basic College to a degree-granting college, school, or division (see Part IV of this bulletin), his academic advisement becomes the responsibility of the chairman of the department in which the student plans to major. The department chairman may designate another member of the department faculty to advise any particular student.

Office of Student Counseling: The Office of Student Counseling is ready to assist any student in educational, vocational, and personal matters. This office coordinates campus testing services and administers such diagnostic, psychological, aptitude and vocational tests as may be needed for practical counseling. This office also makes available to students a selected library of occupational, educational, and personal-adjustment materials. Other offices within the over-all responsibility of the Dean of Student Affairs, such as the Dean of Men and the Dean of Women, work closely with the Office of Student Counseling where specialized assistance is required.

Remedial Services: When diagnostic testing and the student's academic record indicate the need for remedial work, the University offers unusual facilities for special help. Most of these special services are described under the School of Education and Psychology in Part V of this bulletin.

THE STUDENT COMMUNITY: CAMPUS LIFE AND ACTIVITIES

LIVING ACCOMMODATIONS

Students not living in their homes should arrange to live on the campus. Reservations may be made by sending $15.00 to the Director of Housing. Students who wish to room together should indicate such information on their reservation request. Room reservations are accepted subject to the approval of application for admission to the University. Students already living in the dormitory

rooms will be given until May 1 to make reservations. After that date, space is reserved in the order in which applications are received. Room assignments are mailed about a month before the quarter begins. ROOM DEPOSIT WILL BE REFUNDED IF RESERVATION IS CANCELED TEN DAYS PRIOR TO THE OPENING OF THE QUARTER FOR WHICH THE RESERVATION IS MADE.

A student accepting a room in a residence hall will be financially obligated in accordance with the housing contract. A refund of unused room rent will be made only in accordance with the housing contract. Upon admission to the residence hall the student will contribute to the "Dorm Fund" which is used to maintain a TV, pay for Homecoming decorations, courtesies, etc.

Rooms are equipped with the following furniture: single beds with comfortable innerspring mattresses, a dresser, a chest of drawers, chairs, and study tables. Students must furnish all linens, bed coverings, pillows, and curtains. All dormitories are air-conditioned or equipped with an air-ventilating system. All University buildings (classroom, dormitory, administration, and apartment) are subject to periodic safety inspections.

Lodging in the fraternity houses is available to fraternity members. Arrangements are made directly with the presidents of the fraternities. The fraternity presidents will furnish the Director of Housing with official lists of students living in their houses each quarter.

Pine Haven Apartments, consisting of 296 one, two, and three-bedroom, unfurnished units, are available on the campus for faculty and married students. A $15.00 deposit is required at the time of application and is refundable if the request is canceled thirty (30) days prior to the date for which the application was made.

Two new off-campus dormitories will open in September, 1965. **Elam Arms**, a dormitory for men, is located on Hardy Street at the southern boundary of the campus across from the Fine Arts Building. A dormitory for women, **Hill Crest**, is located at the northern boundary of the campus alongside US Highway 49. These two facilities represent the latest and finest developments in dormitory construction and furnishings; they are approved by the University, and are available to all students without regard to academic classification. Descriptive brochures are available through the University Housing Office. These two privately financed dormitories will have their own dining facilities.

Freshmen are required to live on campus, or in the approved off-campus dormitories, if they are not living at home or with relatives. Upperclass women students are required to live either on-campus or in approved off-campus dormitories. Sorority members are expected to live in the Panhellenic Dormitory. Upperclass men students are required to live in on-campus dormitories, approved off-campus dormitories, fraternity houses, or approved private housing. The University maintains a list of approved private housing; and it is the responsibility of the student to determine that the facility he occupies is on the University's approved list.

The above restrictions on housing are not applicable to married students or graduate students.

Assistance in securing off-campus housing may be obtained through the Housing Office. Behavior of students permitted to live off campus must be such that they are acceptable citizens of the community.

The dormitory lobbies which serve as social and recreational centers are supplemented by the R. C. Cook University Union Building. This building contains a lounge, a gameroom, a ballroom, a television lounge, the University photograph service, offices for religious organizations and student government, and meeting rooms for other organizations, as well as five guest rooms, which are rented at a nominal fee to parents and other visitors to the campus. Students use the facilities of the University Union Building for games, music, enjoyment, social and religious activities, and other cultural and recreational purposes.

Private dining rooms in the University Commons may be used by clubs and organizations for banquets, dinners, and teas.

The University Commons serves well-planned, attractive meals at moderate prices. Special diets may be arranged at a small extra charge.

HEALTH AND SAFETY SERVICES

The health and safety record of the University is an enviable one. The health education program, which aims at teaching each person how to assume responsibility for safeguarding his health, is supplemented by the health services which the University offers.

A medical examination blank is given the student at the time he applies for admission to the University. The student should have the medical examination done by his family physician and should return the completed medical examination form to the University along with his application for admission. It is urged that any defects noted in the examination be corrected prior to the beginning of the session in which the student will enroll. The University reserves the right to require a medical examination of any student at any time. No student's admission is complete without a medical examination.

The University Clinic is a well-equipped infirmary in which the ordinary illnesses occurring during the University year, but not during the vacation or recess periods, are cared for by the University physician and nurses. Students with more serious illnesses or injuries, or those in need of immediate surgery, are referred to the regular hospitals in Hattiesburg. Such serious illnesses, injuries, and operations, together with hospital and medical care in private hospitals, can not be the responsibility of the University. The Clinic services are available only to full-time students.

The University physician has regular office hours for free consultation with students. A nurse is on duty twenty-four hours a day.

AUTOMOBILES ON CAMPUS

Students and employees of the University are required to register with the Department of Safety automobiles which are operated on the campus. Temporary permits are issued when the automobile is to be on the campus less than seven days. Parking zones have been established along with other regulations. A pamphlet, which outlines Traffic and Parking Regulations, may be secured from the Department of Safety. Fines are assessed for violation of regulations and persistent violators are denied the privilege of operating an automobile on campus. A policy showing minimum liability insurance (5-10-5) required by Mississippi state law, must be presented at the time of registration.

STUDENT ACTIVITIES

STUDENT GOVERNMENT

The functions of the Student Government Association composed of all registered resident students at The University of Southern Mississippi are "to insure a continuous exchange of ideas and opinions between the students and the administration, to secure valuable training and experience in democratic self-government, to assume the fullest powers and responsibilities of self-government consistent with the constitution and laws of the State of Mississippi and the policies of the president of this institution, to promote the general student welfare, and to protect the herein enumerated rights of students."

There are three branches of student government: the legislative, the executive and the judicial. The executive officers and the members of the legislative branch, the Student Senate, are elected by direct vote of the students. The justices of the Student Court are appointed by the President of Student Government subject to approval by the Student Senate.

Many functions of student government are carried out by standing committees, chief of which are the Committee on Social Life, the Elections Committee, and the Executive Committee.

The local government unit in each dormitory is called the Dormitory Council. Councils are coordinated by the Men's Affairs Board and Women's Affairs Board. These units regulate all matters relating to dormitory life.

STUDENT PUBLICATIONS

THE STUDENT PRINTZ, winner of many national awards, is the University newspaper published weekly by a staff of students under the direction of faculty advisers. THE SOUTHERNER is a yearly publication, published by a student staff under the direction of a faculty adviser. The DRAWL, a handbook for students, is published by the Student Government Association. The TELEPHONE DIRECTORY, published by the University Union, a student staff and adviser, gives a complete list of telephone numbers and mail addresses of students, faculty and staff of the University, together with a buying guide of the Hattiesburg and Gulf Coast areas.

RELIGIOUS LIFE

The University of Southern Mississippi is a state supported school and is entirely non-sectarian. Religious life is encouraged, and every effort is made to cooperate with local churches. The Student Christian Federation unifies the activities of all religious groups on the campus. Its executive council is composed of two elected representatives of the student body, who serve as chairman and vice chairman, five appointed officers, and a representative from each active religious organization. The Student Christian Federation seeks to provide channels for worship and religious development. It sponsors the all-campus Religious Emphasis Programs, a Thanksgiving Service, an Easter Sunrise Service, and an annual Christmas Tree Lighting.

The Wesley Foundation, the Baptist Student Union, the Westminster Fellowship, the Newman Club, the Canterbury Club, the Martin Luther Fellowship and the Christian Church Group are among the organized and active student denominational groups.

The Danforth Chapel is a place of prayer and meditation for all.

ORGANIZATIONS

General Honor Societies—There are five general honor societies on the campus. A general honor society is an association that receives into membership individuals who have achieved high scholarship and who fulfill such additional requirements of distinction in some broad field of education and culture or in general leadership as the society has established. Pi Kappa Pi is a national honorary society composed of men and women who have made grades of A on seventy per cent of their work while earning ninety consecutive quarter hours of credit. Membership in Pi Kappa Pi is the highest recognition for scholarship accorded at the University. Omicron Delta Kappa is a national honorary leadership society, membership in which is the highest recognition accorded men students of the University. Phi Eta Sigma is a national society which aims to encourage and reward high scholastic attainment among freshman men. Phi Delta Rho is a local honorary leadership society, membership in which is the highest recognition accorded women students of the University. Alpha Lambda Delta is a national society which aims to encourage and reward high scholastic attainment among freshman women.

Academic Honor Societies—Other national honorary or professional organizations having chapters on the campus include Alpha Epsilon Alpha (accounting), Alpha Epsilon Delta (pre-medical), Alpha Psi Omega (dramatics), Ameri-

can Chemical Society Student Affiliate, Beta Beta Beta (biology), Delta Sigma Pi (business), Home Economics Club, Iota Lambda Sigma (industrial arts) Kappa Delta Pi (education), Kappa Kappa Psi (band), Kappa Mu Epsilon (mathematics), Kappa Omicron Phi (home economics), Kappa Pi (art), Lambda Iota Tau (literature), Mu Phi Epsilon (music), Phi Alpha Theta (history), Phi Delta Kappa (education), Phi Mu Alpha Sinfonia (music), Pi Gamma Mu (social studies), Pi Kappa Delta (forensics), Pi Omega Pi (business education), Pi Sigma Epsilon (marketing), Sigma Alpha Eta (speech therapy), Tau Beta Sigma (band), Omicron Delta Epsilon (economics), Psi Chi (psychology).

Other Honorary and Academic Organizations—Other organizations among the students include Alpha Phi Omega, Circle K Club, Collegiate Civitan Club, 4-H Club, Geology Club, German Club, Graduate Club, International Relations Club, Le Cercle Francais, "M" Club, Pan American Students Association, Physics Club, Pi Tau Chi (religious honorary), Recreation Club, Scabbard and Blade Society, Student National Education Association, Women's Physical Education Club, Yellowjackets.

Dramatic, Musical and Other Performing Groups—The University's preeminence in the fine arts fields of theatre and music is reflected in the prominent role of student performing groups. The Debate Squad and the University's own radio station also encourage student performance.

THE SOUTHERN PLAYERS, open to all students of the University, is the campus dramatic organization which serves as a vehicle for Department of Theatre productions.

THE CHORAL UNION, composed of students from the entire University, meets one evening a week to perform the great works in choral literature, both sacred and secular.

THE OPERA WORKSHOP, open to all students of the University, performs many works of musico-dramatic interest during the year.

THE UNIVERSITY SINGERS, auditions for which are held during the first week of each quarter, give numerous concerts and tours. There is usually a waiting list of applicants for membership. Within the UNIVERSITY SINGERS are a number of smaller ensembles, such as the Madrigal Singers and various male and female groups.

The University's bands and orchestras have an outstanding record of service to the University and the State.

THE CONCERT BAND, which gives several formal concerts each year, is made up of selected student musicians.

THE DIXIE DARLINGS, drawn from the University's best girl dancers, are as well known as the Marching Band to national television audiences.

THE HIGHLANDERS are a marching group of bagpipers, drummers, singers and dancers, who provide unique embellishment to programs both on and off the campus.

THE MARCHING BAND, open to any regularly enrolled student, has enhanced the dignity and reputation of the University at many nationally televised events.

THE R.O.T.C. BAND is an important part of the R.O.T.C. program.

THE UNIVERSITY OF SOUTHERN MISSISSIPPI SYMPHONY, open to all students of the University and including members of the faculty also, gives a number of concerts each year in addition to assisting with oratorios and operas.

THE VARSITY BAND serves as a laboratory band for student composers and conductors.

THE WIND AND PERCUSSION ENSEMBLE retains the basic instrumentation of a symphonic band, although in almost every instance using only one player per part.

Scholarships in all these musical groups are available to talented students. Auditions may be arranged through the Dean of the School of Fine Arts.

The University's Debate Squad, recognized as one of the nation's best, is open to all students.

WMSU, the University's own radio station, is an affiliate of NBC. The award-winning station encourages participation by any interested student regardless of major.

Social Fraternities — Seven social fraternities hold membership in the Interfraternity Council of the University. They are Acacia, Alpha Tau Omega, Kappa Alpha, Kappa Sigma, Pi Kappa Alpha, Phi Kappa Tau, and Sigma Phi Epsilon. Each fraternity has a house on the campus. There is also a colony of Sigma Alpha Epsilon.

Social Sororities — Eight social sororities hold membership in the Panhellenic Council of the University. They are Alpha Sigma Alpha, Chi Omega, Delta Delta Delta, Delta Zeta, Kappa Delta, Phi Mu, Pi Beta Phi, and Sigma Sigma Sigma.

ATHLETICS

The University of Southern Mississippi is a member of the National Collegiate Athletic Association.

Intercollegiate sports are football, basketball, baseball, tennis, and golf.

Seasonal intramural sports under the supervision of personnel from the Department of Health, Physical Education, and Recreation, give every student an opportunity to take part in competition. Among the sports included on the program are tennis, golf, water sports, touch football, basketball, softball, table tennis, badminton, volleyball, horseshoes, handball, track, and swimming.

The University golf course, tennis courts, swimming pool, playgrounds, and gymnasium facilities are available to all students.

R. C. COOK UNIVERSITY UNION

The center of student activities at the University of Southern Mississippi is the **R. C. Cook University Union,** which houses many of the student organization offices as well as offices of the Alumni Association.

Operating from the Union is the University Information Center, which serves as a locating service for students twenty-four hours a day. The Union building is open from 7:30 A.M. to 10:30 P.M. daily.

The Union provides for University students a complete program of activities planned and promoted through the University Activities Council.

The **University Activities Council** is made up of representatives from each campus organization. UAC activities include bi-weekly movies, dances, parties, an annual Halloween Carnival, Welcome Dance, Charity Month, Campus Pac Distribution, and the sponsorship of "big name" entertainment.

The University Union, with its air-conditioned facilities, also serves as a conference and workshop center for the campus during the Summer Quarter.

PART THREE

SUMMARY OF STUDENT EXPENSES AND AVAILABLE FINANCIAL HELP

Student Expenses

- Incidental Fee
- Room and Board
- Other Fee Information
- Non-Resident Status
- Refund Policy
- Tables of Expenses
  - Each Quarter
    - Full-Time Student
    - Part-Time Student
  - Special Fees

Student Aid and Scholarships

- Applications
- Work Scholarships
- Work in Town
- Merit Scholarships
- Regional Merit Scholarships
- Service Scholarships
- Loan Programs
- University of Southern Mississippi Foundation
- Scholarships Available Through the Foundation
- General Statement About Employment Opportunities

STUDENT EXPENSES

A primary objective of the University is to hold to a minumum the expense of its students. Changes in fees are made, whenever possible, to benefit the students. Increases are made only when required for support of the institution or improvement of the activity program of the students.

Announcements concerning fees and expenses are subject to change without notice and may not be regarded as binding obligations of the University.

Fees and expenses are in the form of incidental fees, room and board, and special fees.

INCIDENTAL FEE. This fee is used for general support of the University and consists of charges for matriculation, library, textbook service, athletic activities, health service, University Union, University newspaper, laboratory, concert series, maintenance, etc. Athletic activities, health service and newspaper are not included for part-time students.

Clinical and hospital services covered by the health service charge included in the incidental fee are limited to cases of ordinary illness. Services are provided within the limits of the professional, technical and physical resources of the clinic. The University does not assume responsibility in cases of extended illnesses or for treatment of chronic diseases. Cases requiring surgery must be handled by a physician and hospital of the student's choice.

ROOM AND BOARD. These fees are assessed for all students living in University-controlled housing. The room and board fees are assessed for all students living in fraternity houses. All students rooming in dormitories or fraternity houses are required to take their meals in the University Commons.

A room deposit of $15.00 is payable in advance for the reservation of space in the dormitories. This amount is held as a breakage deposit until a student withdraws from the dormitory.

A student accepting dormitory space will be financially obligated in accordance with the housing contract. A refund of the dormitory fee will be made only in accordance with the housing contract.

No reduction in room and board expenses is made for absence of less than two continuous weeks, and then only when the absence is necessary and is reported to the business office in advance. No reduction of room or board is made on account of late entrance.

OTHER FEE INFORMATION. Fees of all students are due and payable at time of registration; however, fees of full-time students (12 hours or more) may be paid one-half upon entrance and the balance one week prior to the beginning of the second half of the quarter.

Students enrolled for more than 18 quarter hours will be assessed an additional $8.00 per quarter hour in excess of 18.

Students who are permitted to register for correspondence courses in residence will be charged a fee of $6.00 per quarter hour.

A fee of $1.00 is assessed each quarter for operation of the University Union. This fee is added to the incidental fee assessment of part-time students.

Courses requiring special fees and music fees are shown in the Special Fee listing (Table II).

A $6.50 fee for the **Southerner** (University annual) is payable by all full-time students on entrance in the fall quarter.

NON-RESIDENT STATUS. The Board of Trustees of State Institutions of Higher Learning of the State of Mississippi has adopted the following regulations concerning non-resident status:

The application of a non-resident of the State of Mississippi may be considered or not at the option of the executive head of the institution, as has heretofore been the prerogative of each institution. For the purpose of this

by-law and all other purposes, the definitions and conditions governing the resident status of applicants for admission to any of the institutions shall be as follows:

a. **Residence of a minor.** The residence of a person less than twenty-one (21) years of age is that of the father. After the death of the father, the residence of the minor is that of the mother. If the parents are divorced, the residence of the minor is that of the parent who was granted custody by the court; or, if custody was not granted, the residence continues to be that of the father. If both parents are dead, the residence of the minor is that of the last surviving parent at the time of that parent's death, unless the minor lives with a guardian of his person, in which case his residence becomes that of the guardian.

b. **Residence of an adult.** The residence of an adult is that place where he is domiciled; that is, the place where he actually physically resides with the intention of remaining there indefinitely or of returning there permanently when temporarily absent. He is a non-resident if he reaches adulthood while residing in another state, even if he was born in Mississippi.

c. **Removal of parents from Mississippi.** If the parents of a minor who is enrolled as a student in an institution of higher learning move their legal residence to another state, the minor is immediately classified as a non-resident student.

d. **Twelve months of residence required.** No student may be admitted to any institution of higher learning as a resident of Mississippi unless his residence, as defined hereinabove, has been in the State of Mississippi for a continuous period of at least twelve months immediately preceding his admission.

e. **Residence in an educational institution not counted.** A person who has entered the State of Mississippi from another state and enters an educational institution within twelve months is considered a non-resident. For this reason, any period of time when such a person is enrolled in any educational institution in Mississippi may not be counted as any part of the twelve (12) months prerequisite to his admission to an institution of higher learning as a resident student. Even though he may have been legally adopted by a resident of Mississippi, may have been a qualified voter, or may otherwise have sought to establish legal residence, such a person will still be considered as being a non-resident of Mississippi if he has entered this state for the purpose of enrolling in an educational institution.

f. **Residence status of a married woman.** A married woman may claim the residence status of her husband; or she may claim independent residence status under the same regulations, set forth above, as any other adult.

g. **Children of parents who are employed by Institutions of Higher Learning.** Children of parents who are members of the faculty or staff of any institution under the jurisdiction of the Board of Trustees may be classified as residents during the time that their parents are such members without regard to the residence requirement of twelve (12) months, for the purpose of attendance at institutions where their parents are faculty and staff members.

REFUND POLICY. A student who officially withdraws after enrollment may obtain a refund in accordance with the following:

a. A refund of 90% of incidental and special fees paid will be made to a student who withdraws within eight (8) days following the last calendar day of registration.

b. A full-time student withdrawing for any reason prior to midterm of any quarter but following eight (8) days after the last calendar day of registration will be refunded 50% of the incidental and special fees.

c. A full-time student withdrawing after midterm of any quarter will not be entitled to a refund of fees.

d. Special and part-time students will not be entitled to a refund of fees after eight (8) days from the last calendar day of registration.

e. Students enrolled for evening classes meeting twice a week will not be entitled to a refund of fees unless withdrawal is made prior to the third meeting of the class. For evening classes meeting once a week, no refund will be made unless withdrawal is made prior to the second meeting of the class.

f. No adjustment of incidental and special fees will be made when courses are dropped after eight (8) days from date of registration.

g. Room and board fees are refunded on the basis of full weeks remaining in the quarter.

TABLE I

EXPENSES EACH QUARTER

FULL-TIME STUDENT*

Fixed Fees	
Incidental fee	$ 92.00
Room rent—air-conditioned dormitory	69.00
Room rent—other dormitory	54.00
Board	75.00
Other Fees When Applicable	
Non-resident fee—	
Student enrolling prior to September 1, 1962	$ 83.33
Student enrolling after September 1, 1962	100.00
The Southerner (fall quarter only)	6.50

PART-TIME STUDENT

Incidental fee each quarter hour**	$ 8.00
Non-resident fee each quarter hour	
Student enrolling prior to September 1, 1962	7.00
Student enrolling after September 1, 1962	8.50

Non-resident fee—P.L. 16, 894, and 87-815 veterans as follows:

	Enrolled prior to 9-1-62	Enrolled after 9-1-62
Full load (over 12 hours)	$ 83.33	$100.00
¾ load (9-11 hours)	62.50	75.00
½ load (6-8 hours)	41.66	50.00
¼ load (1-5 hours)	20.83	25.00

TABLE II

SPECIAL FEES AND EXPENSES

Departmental Fees:	
Elementary Education 480, 482, each	$ 20.00 per course
Elementary Education 483, 485, each	10.00 per course
Home Economics Education 481, 482, 485, 486, each	10.00 per course

*Twelve (12) to eighteen (18) quarter hours constitutes a full load. Students enrolled for more than 18 hours will be assessed $8.00 for each additional quarter hour. (Students training under Veterans Administration programs on the undergraduate level are required by the Veterans Administration to carry a minimum of fourteen quarter hours for the entire quarter to receive full subsistence.)

**A fee of $1.00 a quarter is added for operation of the University Union when this fee is assessed.

Special Education 480, 481, each	20.00 per course
Library Science 489	10.00 per course
Secondary Education 481A, B, G, H, I, J, K, L, M, N, P, R, S, V, each	20.00 per course
Secondary Education 484A, B, G, H, I, J, K, L, M, N, P-I, each	10.00 per course
Secondary Education 484A, B, G, H, I, J, K, L, M, N, P-II, each	10.00 per course

Music Fees—Private Lessons for other than music majors or minors

1 quarter hour per instructor	$ 19.00 per quarter
2 quarter hours per instructor	36.00 per quarter
3 quarter hours per instructor	53.00 per quarter
Each additional supervised lesson	17.00 per quarter
Orchestral or Band Instrument rental*	6.00 per quarter

Summer Conferences and Workshops:**

- Administrators Workshop
- Aviation Education Workshop
- Library Science Workshop
- Reading Conference
- School Lunch Managers Workshop
- Summer Music Camp

Reading Clinic, Individual Remedial Instruction:

Special Students (non-credit)	$ 20.00 per 4-week period
Complete Reading Diagnosis	$ 20.00 with written report
Re-evaluation	$ 5.00

Speech and Hearing Clinic Services:

Audiometric pure tone test	$ 5.00
Diagnostic hearing evaluation	10.00
Hearing aid evaluation	15.00
Hearing evaluation for medical-legal compensation claims	25.00
Diagnostic speech evaluation	10.00
Speech or Hearing Therapy fees per session	2.00
Therapy fees for university students per quarter	5.00

Examinations and Graduation:

Revalidation Examination	$ 5.00 when applicable
Special Examination	3.00 when applicable
Graduation fee—Bachelor and Master	$ 12.00 with application for degree
Graduation fee—Doctoral	$ 70.00 with application for degree
Certificate	$ 2.50 when applicable
National Teachers Examination (Education majors)	$ 11.00
Late application	$ 14.00
Thesis binding, not to exceed	$ 12.00 when applicable
Thesis preparation, not to exceed	$ 75.00 when applicable

*This fee applies to music majors and minors as well as to other students.
**The fees for the above conferences and workshops will be listed in the brochures published for each conference. The conference and workshop fees do not include the $8.00 per quarter hour assessment for incidental fee where college credit is desired, nor do they include the conference charge for room and board.

Continuing Education:

Resident Center	$ 8.00	per quarter hour
Resident Center—laboratory fee	$ 6.00	per course
Resident Center—typing fee	$ 5.00	per course
Extension Center	$ 8.00	per quarter hour
Correspondence Courses	$ 6.00	per quarter hour
High School by correspondence	$ 15.00	per credit

Registration and Records:

American College Test	$ 5.00	when applicable
Change of Schedule	$ 5.00	when applicable
Audit Fee (Non-Credit)*	$ 4.00	per quarter hour
Late Registration	$ 10.00	full load
	$ 5.00	partial load
Memorandum of credits	$ .50	when applicable
Transcript of credits	1.00	when applicable
R.O.T.C. deposit (Unused portion refundable upon proper clearance)	$ 10.00	upon entrance fall quarter
Science Breakage	$ 5.00	per card

Card is purchased in business office before attending first laboratory meeting, Any balance on card upon completion of course is refundable.

STUDENT AID AND SCHOLARSHIPS

The following information is a summary of the student aid and scholarship program. For further information and application forms, write to Director of Student Aid and Scholarships, Box 7, Southern Station, Hattiesburg, Mississippi.

APPLICATIONS. All applicants for student aid of any type must have been accepted for admission at the University before assistance can be granted. This does not preclude the submission of an application for assistance at the time application for admission to the University is made. Applications should be made before June 1st.

WORK SCHOLARSHIPS. Work scholarships vary in value with the type of work assigned. Students work from ten to fifteen hours per week. Awards are made during the month of July.

WORK IN TOWN. Work in town is available to many students. Students making application are referred as requests are received from employers.

MERIT SCHOLARSHIPS. Merit Scholarships, based on scholarly ability, are available in all fields of study. They range in value from $100.00 to $500.00 for the nine months. Students who have demonstrated outstanding ability in any particular field of study are encouraged to apply for one of these scholarships.

REGIONAL MERIT SCHOLARSHIPS. Regional Merit Scholarships are awarded to students of exceptional ability whose residence is outside the State of Mississippi. These scholarships are valued at $300.00 for the nine months.

SERVICE SCHOLARSHIPS. Service Scholarships are based on skill and ability. These scholarships are available in Band and Music as well as in Athletics and range in value from $100.00 to over $500.00 for the nine months.

*Audit fee for an activity course is charged at the full rate of $8.00 per quarter hour for the number of quarter hours applicable to the course.

LOAN PROGRAMS. Many loan programs, both short-term and long-term, are available to the student who desires to make use of them. The University administers several long-term funds such as the National Defense Student Loan Fund and the United Student Aid Funds Loan Program. Information concerning privately administered programs may be obtained by writing the Director of Student Aid and Scholarships.

UNIVERSITY OF SOUTHERN MISSISSIPPI FOUNDATION. The University of Southern Mississippi Foundation is a Mississippi corporation whose sole purpose is to receive and manage gifts, contributions and donations to the University of Southern Mississippi for educational purposes. It provides a centralized receptacle for receiving gifts of any nature to the University, handling these in a manner prescribed by the donor or in accordance with good business judgment, and making the gifts work for the growth and development of "Southern." The Foundation is managed by a Board of Directors composed of former students and friends of the University.

The Foundation Charter was so drawn that assistance could be given to any area of development at "Southern" so long as it is used for educational purposes. Some of the long-range plans include: sponsoring research, sponsoring faculty chairs, supplementing faculty salaries, aiding the library, providing special equipment, making possible achievement awards for faculty and students, providing fellowships and scholarships, and contributing to the building of the physical plant.

During the early years of the Foundation, emphasis will be placed on securing scholarship funds. This is considered to be one of the greatest needs at the present time. The Foundation solicits the funds, but the awards are made by the University scholarship committee.

SCHOLARSHIPS AVAILABLE THROUGH THE FOUNDATION

Century Club—scholarships for athletics.

Coast Federal Savings and Loan Association, Gulfport—Gulfport area student—Business

Crown Zellerbach Foundation—merit to Junior or Senior students.

Distinguished Professor Award—Presented in the name of the Distinguished Professor of the Year in the same discipline.

Doyle Coats—Sponsored by the Marion County Alumni Chapter for a capable and deserving Marion County student.

W. R. Fairchild Construction Company—capable and deserving student from Covington or Forrest County.

First Federal Savings and Loan Association, Hattiesburg—Economics or Finance.

First National Bank of Laurel—awarded to a resident of Covington, Jasper, Jones, Perry, Smith or Wayne County.

Forrest County Alumni Chapter—Forrest County Students.

Francis O. Fox—need and promise of success with preference to Jones County students.

General Merit—any student is eligible on merit basis—several given.

Lester Haddox—worthy and promising student from Amite, Lincoln, Marion, Pike or Walthall County.

Hattiesburg Sales Executive Club—marketing major, economic need, academic record.

Hattiesburg Savings and Loan Association—capable and deserving student, given in memory of deceased directors.

Hercules Employees—capable and needy student.

W. B. Harlan Memorial—economic need, male student—Business Administration.

Alma Hickman—capable and needy student.

1956 Summer Class Heritage—capable and needy student.

1957 Spring Class Heritage—capable and needy student.

1958 Class Endowment—capable and needy student.

1959 Class Endowment—capable and needy student.

1960 Class Endowment—capable and needy student.

1961 Class Endowment—capable and needy student.

1962 Class Endowment—capable and needy student.

Scholarship Fund of the Sixties—capable and needy student.

Jones County Alumni Chapter—capable and deserving Jones County students—preference given to Junior or Senior students.

Lamar County Alumni Chapter—capable and needy Lamar County student.

Sam Miller—capable and deserving student.

Movie Star Corporation—capable and deserving student.

Music Merit—music majors on merit basis.

"M" Club Alumni Loan—loans for capable and needy children of former letter winners at Southern.

Owen Brothers Stock Yards, Hattiesburg—capable and deserving student.

Paint Research Institute—graduate fellowship in chemistry.

Pan American Tung Research and Development League—graduate fellowships in Chemistry.

Peck Oil Company—capable and deserving Forrest County student.

Pepsi Cola—Hattiesburg—entering freshman boy and girl to be selected from Forrest, Perry, Greene, Lamar, Marion, Jeff Davis, Covington, Jones and Wayne Counties who qualifies according to leadership, service, citizenship, and economic need.

Pi Omega Pi—outstanding student in Business Education.

Positive Posture—sponsored by the Mississippi Malt Beverage Company for two students from certain counties and cities of Mississippi.

Edward George Schmidt—Junior or Senior marketing major.

Southern Maid (Jacksonville Paper Company)—male students, major and scholastic requirements.

Trojan Powder Company—graduate fellowships in chemistry.

Visco Division, Nalco Chemical Company—economic need, Chemistry major—four offered.

Paul Waldoff Memorial—Mississippian—Mathematics major, economic need.

Winn-Dixie Stores Foundation—Junior or Senior, residence and other requirements.

Yellowjackets—USM—entering freshmen, academic promise—five offered.

EMPLOYMENT OPPORTUNITIES

A number of students are employed by the University in secretarial and clerical work and as laboratory assistants, library assistants, and assistants to the dormitory hostesses. The purpose of this employment is primarily to assist the student in earning a small part of his school expenses. Inquiries concerning these work assignments should be addressed to the Director of Student Aid and Scholarships. The University also maintains a service to assist students in finding part-time employment in and near Hattiesburg. Students should remember, however, that their first business is to benefit by their University programs. Usually a student who spends several hours a day earning money must reduce his study load. Students should not expect to be able to earn a considerable part of their expenses and at the same time carry a full academic load. No student should plan a program that allows fewer than thirty hours a week for study.

PART FOUR

FROM BASIC COLLEGE TO BACCALAUREATE DEGREE: GENERAL ACADEMIC REQUIREMENTS

Organization for Instruction

General Academic Regulations

General Degree Requirements

Specific Degree Requirements by Choice of Specialization

FROM BASIC COLLEGE TO BACCALAUREATE DEGREE: GENERAL ACADEMIC REQUIREMENTS

Getting the student admitted, getting the student housed and oriented and introduced to the student community—these items outlined in Part Two are just the beginning steps. Paying the required fees as summarized in Part Three is likewise simply a preliminary step to the real objective of the University experience—a start on University-level education. The purpose of this Part Four section and the succeeding Part Five is to outline the academic regulations and organization which govern the student's progress from Basic College through to baccalaureate degree. Part Five goes into detail; this Part Four gives the big picture.

A. The big picture starts with the academic organization of colleges, schools, and divisions, and the baccalaureate degrees offered by each of these.

B. Then follows a summary of **general academic regulations**, covering:

1. Penalties for late registration
2. Change of registration
3. Load of work
4. Absences
5. Examinations
6. Grading system
   - Dean's List
   - President's List
7. Scholarship standards
8. Memorandum of credits
9. Classification of undergraduates
10. Course numbering
11. Course sequences and related sequences

C. Based on the foregoing **general academic regulations** are **general degree requirements** governing **all** baccalaureate degree categories. These general requirements include:

1. Choice of catalog
2. Hour requirements
3. Quality point requirement
4. Hour and quality point requirement for pre-professional degrees
5. Residence hour requirement: limitation on correspondence courses
6. Basic College core requirement, including
   - Physical education
   - Military science
7. Exemption from core requirements
8. Transfer from Basic College to upper-level college, school, or division
9. Change of college, school, or division
10. College, school, and division degree requirements
11. Courses numbered 300 and above
12. English proficiency
13. Quality point requirement for the major and minor
14. Change of major within a college, school, or division
15. Application for degree
16. Approval of faculty
17. Degrees with honors
18. Second baccalaureate degree

D. Supplementing these **general** degree requirements are the **specific** modifications within each degree program which the choice of a special field will dictate.

A. ORGANIZATION FOR INSTRUCTION

The University of Southern Mississippi for purposes of undergraduate instruction is organized into the Basic College, the College of Arts and Sciences, the School of Business Administration, the School of Education and Psychology, the School of Fine Arts, the Division of Continuing Education, and the Division of Home Economics. Except for the Basic College, and the Division of Continuing Education, these are all degree-granting colleges, schools, and divisions.

The entering freshman is admitted into the Basic College and remains there until he is able to meet requirements for admission into one of the degree-granting colleges, schools, or divisions. While in the Basic College, which normally covers the freshman and sophomore years, the student takes courses required in the common core curriculum (see Part Five). In addition, he may take some courses required by the particular college, school, or division from which he plans to graduate. He may also have room in his freshman and sophomore schedule to begin course work toward a major or minor.

Transfer students may be admitted directly into the upper-level, degree-granting college, school, or division provided they transfer the particular curricular prerequisites; otherwise, the transfer student is admitted to the Basic College until he can meet requirements for admission to a degree-granting college, school, or division.

The University of Southern Mississippi grants the following baccalaureate degrees:

from the College of Arts and Sciences: (as indicated in Part Five, the basic differences between these two degrees lie in the language and the laboratory science requirements. Possible **majors** are noted under D below, and **under** each department in Part Five of this catalog)

- the Bachelor of Arts
- the Bachelor of Science

from the School of Business Administration

- the Bachelor of Science in Business Administration, with majors indicated under D below, and under each department in Part Five

from the School of Education and Psychology:

- the Bachelor of Science "Professional" or teaching degree in
  - Elementary Education
  - Secondary Education
  - Special Areas
- the Bachelor of Science non-teaching degree, with majors in
  - Architectural Drafting
  - Industrial Arts
  - Library Science
  - Psychology
  - Recreation
  - Office Management
  - Executive Secretarial Studies
- the Bachelor of Arts non-teaching degree, with majors in
  - Library Science
  - Psychology

from the School of Fine Arts

- the Bachelor of Fine Arts, with majors in Commercial Art; Drawing & Painting; or Theatre
- the Bachelor of Music, with majors in
  - Voice, Piano, Organ, String Instruments, or Wind Instruments
  - Theory and Composition
  - Church Music
  - Music History and Literature

the Bachelor of Music Education, with majors in
General Supervision: voice or piano
Instrumental Supervision

the Bachelor of Arts with majors in Art or Theatre

from the Division of Home Economics:

the Bachelor of Science, with majors indicated under D below, and in Part Five.

To be eligible for any of these baccalaureate degrees, the student must complete:

1. **The Basic College core curriculum**
2. **Any additional curricular requirements of the particular college, school, or division in which he will graduate**
3. **Requirements for a major or majors and a minor (if a minor is required)**
4. **Any other requirement specific for the chosen degree, or the major or minor.**

Specific requirements for major and minors are outlined under each department in Part Five of this catalog.

B. GENERAL ACADEMIC REGULATIONS

1. **Penalties for Late Registration:** Registration will continue after the close of the scheduled registration period (see Calendar) for six class days. Beginning at 8:00 A.M. on the seventh day of scheduled class work all registration will cease for that quarter.

A late registration fee will be charged to all students registering after the scheduled registration period. The fee is ten dollars ($10.00) for a load of nine (9) quarter hours or more, and five dollars ($5.00) for a load of less than nine hours.

The course load for which one can register will be reduced to twelve (12) quarter hours beginning with the fourth day of scheduled class work. An exception to this regulation may be made by the appropriate dean. Students registering for the second term of a quarter can not register for a full load after the second day of the new term.

2. **Change of Registration:** A student who finds that he is not prepared for a course for which he is registered may be allowed to withdraw from the course on the recommendation of his adviser with the approval of the appropriate academic dean. A student will not be permitted to withdraw from a course after ten (10) class days. A fee of five dollars ($5.00) is charged for a change in registration after the regular scheduled registration period (see Calendar).

3. **Load of Work:** The normal student load is twelve to eighteen quarter hours. Students on the Dean's List or President's List will be permitted to take twenty-one quarter hours during the next quarter of attendance.

Seniors may take twenty quarter hours during any one of their last three quarters provided they made no grade lower than C during the previous quarter.

Students who have maintained a place on the Dean's List or President's List for each of the two preceding quarters of their residence may take up to twenty-five (25) quarter hours of work during their next quarter of attendance.

4. **Absences:** Students are expected to attend all classes each time the classes meet. When it is necessary that a student be absent from a class, courtesy requires an explanation to the instructor in charge. Some faculty members allow no cuts (unexcused absences from class) while others may allow as many as four in a four-hour course. In the event of sickness or other reasons beyond the control of the student, a total of thirteen (13) absences in a four-hour course, or the proportionate number of absences in a one, two, three, or five-hour course, may be allowed provided all work is made up. No credit may be re-

ceived in a course where the number of absences (regardless of the reason) exceeds thirteen, or the equivalent as shown above. When students are absent to represent the University, their professors are so notified by the Dean of the University. When students are absent because of sickness or other acceptable reason, their professors are so notified by the Dean of Men or the Dean of Women. An absence on a day immediately preceding or following an official holiday is considered as two absences.

5. **Examinations:** Examinations will be held on the last three days of each quarter (see Calendar).

During each of the two terms of the summer quarter, the last regularly scheduled meeting of a class will be used for examination purposes for that term's courses.

No final examinations are permitted prior to the scheduled examination period (see Calendar).

A student who is absent from the examination without valid reason approved by the Dean of the University forfeits credit for the quarter. Students will be charged a fee of $3.00 for special examinations unless excused by the appropriate dean.

6. **Grading System:**

A—indicates very superior work and carries 4 quality points per quarter hour.
B—indicates excellent work and carries 3 quality points per quarter hour.
C—indicates average work and carries 2 quality points per quarter hour.
D—indicates inferior to average work and carries 1 quality point per quarter hour.
E—indicates failure with condition. An E becomes an F if the condition is not removed within the next twelve months, or, if the student is not in residence during all of the next twelve months, within the next quarter of attendance after the expiration of the 12-month period. An E grade can not be raised higher than a D.
F—indicates failure without condition and carries no quality points. Quality point averages are based on the number of hours undertaken rather than the number of hours passed (except in the case of a course taken a second time) in determining whether a student meets minimum standards. A student dropping a course after the tenth day of scheduled classes will receive a grade of F. A grade of F may not be removed by taking a correspondence course without the approval of the dean of the appropriate school.
I —indicates an incomplete record. An I becomes an F if the work is not completed within the next twelve months, or, if the student is not in residence during all of the next twelve month, within the next quarter of attendance after the expiration of the twelve-month period. A grade of I may not be removed by taking a correspondence course without the approval of the dean of the appropriate school.
G—indicates withdrawal from a course passing. No student will be allowed to withdraw from a course after ten scheduled class days except under unusual circumstances approved by the appropriate dean.
H—indicates withdrawal from a course failing.
Y—indicates acceleration, because of proficiency, to a more advanced course.
P—indicates a passing grade in non-credit courses.

Note: A faculty regulation provides that except in cases of obvious clerical error, a grade of A, B. C. D. or F may not be changed without permission given by the faculty in regular meeting.

Dean's List: Students will be placed on the Dean's List if they have maintained a quality point ratio of 3.25 or above on an academic load of fifteen quarter hours or more, provided they have no grade of D or below. Being on the Dean's List carries with it certain privileges.

President's List: Students will be placed on the President's List if they have earned a quality point ratio of 4.0 (all "A's") on a load of fifteen quarter hours or more. Being on the President's List carries with it certain privileges.

7. **Scholarship Standards:** It is necessary that students maintain a reasonable academic record. The following are the minimum scholastic standards for continuance as students at the University:

a. A student taking twelve hours or more must pass at least eight hours and earn at least sixteen quality points. A student taking from eight to eleven hours must pass at least one-half of his course load and earn as many quality points as hours undertaken.

b. The first time a student does not meet the aforementioned standard, he will be placed on academic probation. A student already on probation will be suspended from the University for the next succeeding quarter if he does not meet the above minimum scholastic standard. However, a student suspended at the end of the spring quarter is suspended for the following fall quarter. Students thus suspended following the spring quarter may earn reinstatement for the fall quarter if they attend the summer quarter at the University of Southern Mississippi and complete at least fifteen hours with a "C" average or better.

c. A student receiving all "F's" is subject to automatic suspension whether or not he has previously been on probation. On withdrawing from the University, a student receiving "H's" on more than one-half of the hours undertaken is likewise subject to automatic suspension.

d. A student may remove himself from academic probation by: (1) earning at least a "C" average on fifteen consecutive hours and (2) achieving an over-all "C" average on all work he has undertaken at the University of Southern Mississippi. It should be emphasized that he must achieve both (1) and (2).

e. A student suspended the second time for poor scholarship may not apply for readmission until the expiration of at least one calendar year and presentation of a satisfactory record of work in an accredited college or university, or employment, or military service. No student may be readmitted after three suspensions for poor scholarship.

8. **Memorandum of Credits:** A memorandum of credits is a statement available from the Office of the Registrar showing the courses completed and credits earned by the student as of the date of the memorandum. Memoranda are fifty cents each, except that upon request of the student one copy of the cumulative record will be supplied to the University of Southern Mississippi Placement Bureau without charge.

9. **Classification of Undergraduates:** A student is ranked as a:
Freshman when he has less than 40 quarter hours of earned credit
Sophomore when he has as many as 40 hours and less than 90 hours
Junior when he has as many as 90 hours and less than 132 hours
Senior when he has 132 or more quarter hours of earned credit
Special student when he is not working toward a degree.

10. **Course Numbering:** Freshman courses are numbered from 100 to 199 (see Part Five); sophomore courses from 200 to 299; upper division courses from 300 to 499; graduate courses 500 and above. Courses carrying numbers below 100 are non-credit courses. Undergraduate courses approved for possible graduate credit will carry the prefix G. Courses taken by extension will carry the prefix E; and by correspondence, C.

Freshman and sophomore students are not ordinarily permitted to register for upper division courses.

11. **Course Sequences and Related Sequences:** Certain 100 and 200-level courses may not be taken for credit by a student after he has completed higher level courses in the same subject area. Also, certain sequences of courses may not be taken for credit after a student has completed parallel courses which are similar in subject matter. Specific applications of this policy are indicated in the numbered course descriptions in Part Five of this catalog. Selection of the courses, as well as exceptions to the policy, are left to the department chairmen.

C. GENERAL DEGREE REQUIREMENTS

1. **Choice of Catalog:** Graduation requirements must be met under a catalog which is not more than six years old at the time of the student's graduation and which carries announcements for a year during which the student earned some credit at the University of Southern Mississippi. A transfer student from a Mississippi junior college may graduate under a catalog which was in force during the time he attended a Mississippi junior college provided the catalog is not more than six years old at the time of the student's graduation.

2. **Hour Requirements:** An applicant for a degree must complete 192 quarter hours, including core requirements and major and minor requirements. No more than six quarter hours of practical music (chorus, band, or orchestra) may be counted toward this total except by students who are majoring in music. Not more than twelve quarter hours in physical education activity courses, and not more than four quarter hours credit in any one varsity sport may be used in meeting total hour requirements for a degree. Of the total of 192 quarter hours, 96 must be earned in a senior college.

3. **Quality Point Requirement:** A student must earn a quality point ratio of at least 2.0 (an average grade of "C") based on all courses undertaken at the University of Southern Mississippi. Grades in correspondence courses, extension courses, and off-campus workshops do not carry quality points. In the case of off-campus workshops this regulation became effective as of September 1950.

4. **Hour and Quality Point Requirements for Pre-Professional Degrees:** University of Southern Mississippi students may be allowed to complete degree requirements for the Bachelor of Science or Bachelor of Arts degrees in professional schools of medicine, medical technology, dentistry, or law on the following conditions:

(a) that 140 hours of credit and 280 quality points shall have been completed, with a minimum of three quarters and 48 quarter hours of residence at the University of Southern Mississippi.

(b) that all core requirements for the degree shall have been completed.

(c) that credit and quality points shall be transferred back to the University of Southern Mississippi from the school of medicine, dentistry, or law to complete requirements for the degree. A minimum of one year's work must be transferred. In the case of medical technicians, a certificate of graduation from a recognized school of medical technology must be presented. In any case a minimum of 192 quarter hours must be completed before the degree can be awarded.

(d) that the program leading to the degree shall be completed within two calendar years of the termination of the last quarter of residence at the University of Southern Mississippi, except that technicians will be allowed three calendar years after the last quarter of residence for the completion of the degree program.

5. **Residence Hour Requirement: Limitation on Correspondence Courses:** To become eligible for a degree at the University of Southern Mississippi, a student must meet the following residence requirements:

(a) He must be a resident student at this University for at least three quarters carrying a load of at least twelve (12) quarter hours each quarter.

(b) He must do the last quarter of work (sixteen quarter hours) on campus. Any exception to this regulation must be recommended by the dean or division chairman of the college, school, or division in which the student is graduating, and must be approved by the Dean of the University.

(c) He must earn at least 48 quarter hours of credit in residence at the University of Southern Mississippi.

(d) He must earn at the University of Southern Mississippi at least twelve quarter hours of credit in his major field.

(e) Military personnel on active duty who are assigned to the University of Southern Mississippi on temporary duty under "Operation Bootstrap" may be permitted to qualify for graduation by completing a minimum of 40 quarter hours in residence, provided all other degree requirements are met.

A long-standing regulation provides that students will not be permitted to do correspondence study while in residence. An exception to this rule may be made for seniors. This can only be done with the approval of the appropriate dean or division chairman and the Dean of the University. If a student takes a correspondence course during his last quarter of attendance, he may not register for a correspondence course after he leaves the campus with the expectation of completing requirements for his degree.

6. **Basic College Core Requirement:** As emphasized in Part One, the purpose of the undergraduate curriculum is to give breadth of background in the first two years preparing for depth of scholarship in the latter two years. In sum, the curriculum is a pyramid in which specialization is built upon perspective. The core curriculum which is common to all degree programs is the broad base of the pyramid; this broad base is the province of the Basic College, which administers the student's academic progress until he is ready to transfer to his desired degree program.

The purpose of the Basic College core curriculum, therefore, is two-fold: to give all University students a common cultural experience; and to extend this shared experience over a wide enough range of skills and major disciplines so that the individual student may gain a better perspective of his own special abilities and interests.

It is the purpose of the degree programs in the upper-level colleges, schools, and divisions to then build upon the common core experience in guiding students toward majors and minors which will reflect their individual capacities and life aims.

The core requirement of the Basic College, **common to all degree programs,** is itemized in Part Five.

Two elements of the core must be emphasized here:

Physical Education: Freshman and sophomore students are required to take one non-credit physical education activity course during each quarter of the freshman and sophomore years (i.e., one course per quarter for six quarters) unless excused from the requirement by the University physician or the Dean of the Basic College. Only one non-credit physical education activity course may be taken in any one quarter.

Military Science: Physically qualified male students entering as freshmen are required to complete at least two years (six quarters) of Military Science. They must accomplish this Military Science requirement each quarter in sequence, beginning with the first quarter in residence, until the requirement is completed.

7. **Exemption from Core Requirements:** Students may be exempted from any part of the core requirements for any degree on the basis of satisfactory attainment as demonstrated by previous academic record. The granting of exemption does not involve the bestowal of credit; neither does it reduce the total number of hours to be earned for a degree. Its only effect is to increase the number of electives which the student may include in his degree program.

8. **Transfer from Basic College to Upper-Level College, School, or Division:** Beginning with the 1962-63 academic year, all undergraduates entering the University below junior class status are assigned to the Basic College. In cases of transfer students having junior status or higher as determined by the Admissions Office, the Director of Admissions will assign the student directly to the appropriate college, school, or division on the understanding that deficiences must be made up on a schedule determined by the college, school, or division

concerned. In all other cases the student should consult the office of the dean of the school in which he wishes to enroll as to the appropriate time for transferring from the Basic College.

No student may remain in the Basic College after he has earned a total of 132 quarter hours of credit. If a transfer has not been made from the Basic College when the student earns 132 hours, he will be dropped from the University. Reinstatement to the University can be earned only by admission to a degree-granting college, school, or division.

The student will initiate a transfer from the Basic College by filling out transfer application forms from the degree-granting college, school, or division of his major choice. If a student is refused admission to a degree-granting college, school, or division, he may appeal his case to the Dean of the University.

Once a student is admitted to a degree-granting college, school, or division, he should report to the chairman of his major department for academic advisement. The department chairman is **responsible** for all advisement in his department, but he may designate a member of his department faculty to advise any particular student. The student must carry his copy of the approved transfer application, and the adviser will have the departmental copy. In the advisement process, the work plans section of the transfer application should be completed on both the departmental copy and the student copy. This will constitute the student's degree program; and he should be expected to follow it thereafter unless changes are agreed to later by the student and the adviser. Any such changes should be entered on both the departmental copy and the student's copy of the degree program.

When the student is ready to file the degree application—which should be done three quarters in advance of the planned date of graduation (see paragraph number 15 below)—the material in the transfer application will supply most of the information needed to complete the degree application. The degree application must be signed by the department chairman.

9. **Change of College, School, or Division:** Students wishing to transfer from one college, school, or division, of the University to another must make application to and be approved by the dean or division chairman of the college, school, or division into which they wish to transfer.

10. **College, School, and Division Degree Requirements:** In addition to the Basic College common core requirement, each degree-granting college, school, or division may have its own requirements for a particular degree. These requirements are designed to give the student the necessary preparation for completing a major in the particular college, school, or division. The additional upper-level requirements currently in force are itemized in Part Five.

11. **Courses Numbered 300 and Above:** To become eligible for any baccalaureate degree, a student is required to complete a minimum of sixty-eight (68) quarter hours in courses numbered 300 or above.

12. **English Proficiency:** To become eligible for any baccalaureate degree, a student must pass a qualifying examination in English proficiency after becoming a junior. The examination is given on Thursday of the seventh week of each quarter; and it is to the student's advantage to take the examination during the first quarter of attendance after he becomes a junior.

13. **Quality Point Requirement for the Major and Minor:** A student must have a quality point average of at least 2.0 (a "C") in the major field and in the minor field.

A transfer student's work done in the major and minor fields in another

institution must average at least 2.0 to be applicable toward the major and minor requirements at the University of Southern Mississippi. If the transferred work does not average at least a "C", the student must remove any deficiencies in that part of the major and minor credit being transferred. Transferred deficiencies may be removed by: (a) repeating at the University of Southern Mississippi a sufficient number of courses on which grades of "D" were transferred and thereby raising the grades in those courses to the level required for a "C" average, or (b) striking from the transferred transcript courses in the major or minor field with grades of "D," and taking additional courses in the major or minor at the upper division level to meet the University's degree requirement.

14. **Change of Major within a College, School, or Division:** Any student wishing to change his major within a college, school, or division must secure the approval of the dean or division chairman.

15. **Application for Degree:** A student is expected to file an application for a degree at least three quarters before the degree is to be conferred. This application filed with the Registrar will show the work completed by the student and the courses planned for the ensuing quarters. Filing three quarters in advance of the proposed graduation date will allow time for checking the application (see paragraph number eight above) ,and also allow the student time for making up any deficiencies found in the degree program. After the application has been approved by the Registrar's Office, it becomes the student's official degree program.

No application for degree will be accepted until the degree fee of twelve dollars ($12.00) has been paid at the Office of the Financial Secretary.

16. **Approval of Faculty:** The names of all applicants for degrees are submitted to a vote of the faculty. If this vote is favorable, the President of the University is authorized by the Board of Trustees to grant the degree.

17. **Degrees with Honors:** Students with exceptional academic records may be awarded degrees with honors or with highest honors. The residence requirement for such degrees is not less than five quarters on the Hattiesburg campus with a load of not less than twelve quarter hours in each quarter, and totaling not less than eighty quarter hours. In computing this residence requirement, one six-week term will be counted as a half quarter when the load is six hours or more. A degree with honors will be granted to a student who maintains a quality-point average of 3.5 or more. A degree with highest honors will be granted to a student who maintains a quality-point average of 3.8 or more.

18. **Second Baccalaureate Degree:** The University of Southern Mississippi will grant a candidate a second baccalaureate degree based upon requirements of an applicable catalog, provided the program for the second degree includes at least 48 quarter hours with at least 96 quality points. The 48 quarter hours must be related to a specific major separate from the first degree major; and the 48 hours must be completed **after** the first degree requirements are met.

D. SPECIFIC DEGREE REQUIREMENTS DETERMINED BY CHOICE OF SPECIALIZATION

In the baccalaureate degree's combination of breadth with depth, the major and minor fields are the concentrated areas of study in which the student achieves some depth of scholarship or specialization to complement the core requirement's breadth.

Following this general pattern of designating a "major" from an area of special interest, the student normally will choose his degree program and major as follows:

COLLEGE OF ARTS AND SCIENCES

A student seeking the **Bachelor of Science** degree in the College of Arts and Sciences will select a major from among the following fields.

Biology
Botany
Microbiology
Zoology
Chemistry
Communications
Journalism
Public Address
Radio-Television
English (45 hours required)
French
German
Spanish
Geography
Geology
History
Mathematics
Physics
Political Science
Philosophy
Religion and Philosophy
Sociology
Speech and Hearing Sciences
Audiology
Language Disorders
Speech Pathology

The student seeking the **Bachelor of Arts** degree in the College of Arts and Sciences will select a major from **any of the foregoing fields**, or from Economics or Foreign Trade. For the difference between B.A. and B.S. core requirements, see Part Five.

SCHOOL OF BUSINESS ADMINISTRATION

The student seeking the **Bachelor of Science in Business Administration** degree in the School of Business Administration will select a major from among the following fields:

Accounting
Economics
Finance
General Business
Marketing
Industrial Management
Personnel Management

SCHOOL OF FINE ARTS

The student seeking the **Bachelor of Fine Arts** degree in the School of Fine Arts will select his major from Commercial Art, Drawing and Painting, or Theatre.

The student seeking the **Bachelor of Arts** degree will select as his major either Art, or Theatre. The student who wants to teach art in public schools should major in Art and minor in Education (see note under Art Education in the School of Education and Psychology).

The student seeking the **Bachelor of Music** degree will select his major from among the following:

Organ
Church Music
Music History and Literature
Theory and Composition
Voice
Piano
String Instruments
Wind Instruments

The student seeking the **Bachelor of Music Education** degree will select his major from either:

General Supervision: voice or piano emphasis, or
Instrumental Supervision

DIVISION OF HOME ECONOMICS

The student seeking the **Bachelor of Science** degree in the Division of Home Economics will select a major from among the following areas of specialization:

General Home Economics
Child Development
Clothing Merchandising
Clothing and Textiles
Food and Nutrition
Institution Management—Dietetics
Institution Management—Commercial
Teaching Home Economics Education
Home Economics Extension Service
Home Economics in Equipment

SCHOOL OF EDUCATION AND PSYCHOLOGY

The School of Education and Psychology degree programs are a bit more complex than those of other colleges and schools, since the teacher education curricula embrace "professional," or methods, as well as "subject," or content, courses.

The School of Education and Psychology awards the **Bachelor of Arts** degree (normally a non-teaching degree) with majors in:

Library Science, or
Psychology

The School of Education and Psychology also awards **two** types of **Bachelor of Science** degree: teaching, and non-teaching.

B.S. (non-teaching)

The Bachelor of Science non-teaching degree in the School of Education and Psychology may be secured with a major in any one of the following fields:

Architectural Drafting
Industrial Arts
Library Science
Psychology
Recreation
Office Management
Executive Secretarial Studies

B.S. (teaching)

The **Bachelor of Science** professional teaching degree is awarded only in the School of Education and Psychology. This B.S. teaching degree falls into one of three general categories: elementary education, secondary education, or special areas education. Certification requirements for public school teachers make necessary certain hour totals and course content for the majors and minors in each of these categories.

For example, the student preparing to teach in elementary schools, grades one through eight, will **major** in Elementary Education for his B.S. teaching degree, and will select an academic **minor** in a "subject" field (see notes under "Minor" below, and under the School of Education and Psychology in Part Five).

The B.S. teaching degree in secondary education, grades seven through twelve, requires a minor in professional education courses; with a major selected from one of the following fields (required hours are indicated where the total requirement is more than 36).

Biology
Business Education (40-48 hours)
Chemistry
Economics*
English (45 hours)
French
General Science**
General Speech
Geography*
German
History*
Home Economics (52 hours)**
Industrial Arts (44 hours)
Mathematics
Physics
Political Science*
Sociology*
Spanish

*Students majoring in economics, geography, history, or political science and minoring in secondary education must include in their degree programs the following courses: world history—8 quarter hours; American history—8 quarter hours; Mississippi history—4 quarter hours; economics—4 quarter hours; political science—4 quarter hours; geography—4 quarter hours.

**See notes under School of Education and Psychology in Part Five.

Special areas of education, in which public school teachers may be assigned to work with any grades from one through twelve, include the following majors:

Health and Physical Education (22 hours Health; 22 hours Physical Education)
Library Science
Special Education (see under Department of Psychology in Part Five)
Audiology***
Language Disorders***
Speech Pathology***

***Students taking any of these majors will be assigned to the Department of Speech and Hearing Sciences in the College of Arts and Sciences.

Public school teachers may also be certified in the special areas of music education, or art education (see under School of Fine Arts above). The certification requirement for art education is a 44-hour major in art, with a minor in professional education.

MINOR:

In addition to the major, each student, where the degree program so requires, must also choose a minor (or else a second major). He should select his minor in consultation with his academic adviser. A minimum of twenty-eight (28) quarter hours is needed for the minor, with the quality point requirement as noted in paragraph C-13 above.

With certain exceptions, any of the areas of specialization or majors indicated above may be selected for the minor. In choosing a minor, however, the student should be guided by the following policies:

A. A student working for a non-teaching degree must establish a minor (28 hours) chosen from among the fields listed above as possible majors with two exceptions:

(1) A student may establish a minor for the non-teaching degree in general science by offering 36 hours from two or more appropriate fields (biology, chemistry, geology, mathematics, and physics), provided he offers at least 12 hours from each field he chooses to include.

(2) To establish a minor in any field, a student must earn at least twelve (12) hours above the core requirements in that field.

B. A student working for a teaching degree in elementary education must establish a minor in one of the following "subject" areas: biological sciences; business education; English and speech; fine arts; health and physical education; home economics; library science; physical sciences and mathematics; industrial arts; social studies. A minor in general science will require 36 quarter hours.

C. A student working for a teaching degree in secondary education necessarily establishes a minor in secondary education.

Since many high schools in Mississippi require teachers to teach in more than one field, it is recommended that students working for secondary education certification plan their electives so as to meet certification requirements in some subject field in addition to their major.

In addition to the areas of specialization indicated above, the University offers a minor in dance to exceptionally well qualified students (see Department of Health, Physical Education, and Recreation under School of Education and Psychology in Part Five).

PART FIVE

CURRICULAR OBJECTIVES AND DESCRIPTIONS OF NUMBERED COURSES

The Basic College (Core and Pre-Professional Curricula)

College of Arts and Sciences
- Biology
- Chemistry
- Communication (Journalism, Public Address, Radio-Television)
- Economics (B.A.)
- English and Literature
- Foreign Languages
- Geography and Geology
- History
- Mathematics
- Military Science
- Physics and Astronomy
- Political Science
- Religion and Philosophy
- Science Education: Fundamentals of Science
- Sociology
- Speech and Hearing Sciences

School of Business Administration
- Accounting
- Economics (B.S.)
- Finance and General Business
- Management
- Marketing

School of Education and Psychology: Special Services
- Business Education
- Educational Foundations
- Elementary Education
- Guidance
- Health, Physical Education, and Recreation
- Industrial Arts
- Library Science
- Psychology: Special Education
- School Administration
- Science Education: Fundamentals of Science
- Secondary Education

School of Fine Arts
- Art
- Music
- Music Education
- Theatre

Division of Continuing Education

Division of Home Economics

THE BASIC COLLEGE (CORE AND PRE-PROFESSIONAL CURRICULA)

Sidney E. Weatherford, Dean

The Basic College administers the student's academic program until he transfers to a degree-granting college, school, or division. Since this transfer normally occurs at the junior year, and **must** occur by the senior year (see Part Four), the Basic College is the primary advisement and administrative unit for freshman and sophomore students, and for those pre-professional students who plan to transfer to a professional school for their subsequent specialized degree.

The primary objective of the Basic College is "general" education, which is pursued by means of a core curriculum required of **all** baccalaureate degree-seeking candidates. As explained in Part Four:

> The purpose of the Basic College core curriculum, therefore, is two-fold: to give all University students a common cultural experience; and to extend this experience over a wide enough range of skills and major disciplines so that the individual student may gain a better perspective of his own special abilities and interests.

The Basic College Core Curriculum

NOTE: Students transferring from colleges which operate on the semester system may satisfy the core requirements by counting one academic year (two semesters) to be the equivalent of three quarters at USM. Thus, two semesters of freshman English will transfer as three of the five quarters of English required in the core, even though the hours transferred may not total 12.

The Basic College core curriculum begins with twenty required hours (normally five quarters) of English, of which twelve must be English composition (Eng. 101, 102, and 103). The other eight hours of English required in the core may be in literature, or a combination of literature and advanced composition, as explained in the recapitulation and notes below.

The core also requires eight hours of World History (His 101 and 102).

The Science requirement in the core is either 12 or 16 hours, depending on the degree program being pursued, as explained in the recapitulation and notes below.

Four hours of Mathematics are also required in the Basic College core.

The 12-hour Social Science requirement in the core includes a four-hour course in American Government (Political Science 101) required of all degree-seeking students, plus eight hours which may be selected from introductory courses in Economics, Geography, Psychology, or Sociology (see recapitulation below.)

In addition to these basic courses in major areas, the core requires twelve hours which may be selected from Personal Health (Health 179); the Enjoyment of Music (Mus 165) or Art Appreciation (Art 120); Introduction to Philosophy (Phil 101) or Logic (Phil 210); and Oral Communication (Public Address 101).

Freshman and sophomore students, both men and women, must take six quarters of non-credit physical education courses (one course each quarter for six quarters) as part of the Basic College core curriculum, unless medically excused.

Freshman and sophomore male students must take the required sequence of six quarters of Military Science as part of the Basic College core (see Department of Military Science under College of Arts and Sciences).

Recapitulation and notes:

THE BASIC COLLEGE CORE CURRICULUM

	Hours
English 101, 102, 103, 201, *202 or 433 or 332	20
History 101, 102	8
Science (Students interested in the Bachelor of Science Degree in the College of Arts and Sciences must take laboratory science. Those preparing to teach must take eight (8) hours of biological science and eight (8) hours of physical science which may be in Fundamentals of Science)	12-16

Mathematics	4
Social Science—Political Science 101	4
Elect one course from two of the following fields for eight hours:	
Economics 201 or 251	8
Geography 103	
Psychology 201	
Sociology 103 or 201	
Other Courses	
Elect one course from three of the following fields for twelve hours: ..	12
Health 179	
Music 165 or Art 120	
Philosophy 101 or 210	
Public Address 101	
**Physical Education—Six quarters—(non-credit)	0
Military Science for Men	0
Total for Women	68 or 72
Total for Men	74 or 78

Please note that, in addition to the Basic College Core Curriculum outlined above, a degree-granting college, school, or division will have additional requirements for admission into that college, school, or division. These additional requirements are described in the introduction to each college, school, or division in this Part Five.

*Students preparing to teach are recommended to take English 330 in lieu of English 202. Students taking a Bachelor of Science Degree in the College of Arts and Sciences are recommended to take English 332 in lieu of English 202.
**The students participating in Varsity Athletics, the Marching Band and Dixie Darlings may substitute this for non-credit Physical Education during the quarters of participation.

Pre-Professional Curricula

In addition to its own degree programs, the University of Southern Mississippi provides pre-professional training for students who plan later to enter the fields of medicine, dentistry, medical technology, nursing, pharmacy, optometry, law, and engineering. Recommended pre-professional curricula are outlined below. Pre-professional programs may also be arranged with individual students through their academic advisers in such fields as architecture, forestry, social work, veterinary medicine, or the ministry.

RECOMMENDED PRE-MEDICAL AND PRE-DENTAL PROGRAM

Advisers: Payne, C. R. Brent, Cliburn, B. C. Smith

The pre-medical and pre-dental curriculum is planned to meet the needs of the student wishing to enter an approved school of medicine or dentistry. The student should seek the counsel of his advisers in selecting courses that will meet the specific requirements of the medical or dental school which he intends to enter. This is especially true of science, social science, and language requirements.

It should be remembered that the keen competition for admission to medical and dental schools makes it imperative that the student plan his curriculum carefully and maintain a superior scholastic standing. A three-year pre-medical and pre-dental program is outlined below, but if the student wishes to receive a bachelor's degree before transferring to professional school, a four-year curriculum may be worked out with the advisers. A student accepted in medical or dental school after the junior year may be awarded a bachelor's degree by the University of Southern Mississippi upon completion of the first year of medical or dental school if the core curriculum requirements outlined elsewhere in this catalog are met.

RECOMMENDED PRE-MEDICAL AND PRE-DENTAL PROGRAM

Freshman Year	Hours
Biology 101, 102, 103	12
Chemistry 101, 102, 103	15
English 101, 102, 103	12

Mathematics 101, 102, 103	12
Physical Education (3 Quarters)	(Non-credit) 0
Military Science 101, 102, 103 (male students)	3

Sophomore Year

Biology 301, 302, 401	12
English 201, 202, or 433	8
Political Science 101	4
History 101, 102	8
Physics 101, 102, 103	12
Sociology 103	4
Physical Education (3 Quarters)	(Non-credit) 0
Military Science 201, 202, 203 (male students)	3

Junior Year*

Chemistry 204, 205, 206	15
Chemistry 370	4
Chemistry 371, 372 (Recommended but not required)	8
Economics 200 or 251	4
Music 165 or Art 120	4
Philosophy 210 or 101	4
Psychology 201	4
Public Address 101	4

*Any student desiring to receive the Bachelor of Arts degree instead of continuing in the Pre-medical-Pre-dental Program should replace 12 hours of the junior year program with 12 hours of a foreign language. (German 101, 102, 103 recommended.)

Senior Year

Foreign Language	12
Electives in 300 or 400 courses	24
Courses replaced by foreign language during junior year	12

RECOMMENDED PROGRAM IN MEDICAL TECHNOLOGY

Advisers: Payne, C. R. Brent, Cliburn, B. C. Smith

The following three-year program is planned to meet the needs of those specializing in medical technology. The student who completes additional work at a recognized school of medical technology may be eligible for a Bachelor of Science degree at the University of Southern Mississippi.

Freshman year	Hours
English 101, 102, 103	12
Chemistry 101, 102, 103	15
Biology 101, 102, 103	12
Mathematics 101, 102, 103	12
Physical Education (3 Quarters)	(Non-credit) 0
Military Science 101, 102, 103 (male students)	3

Sophomore year

Biology 228, 229, 339	12
Chemistry 304, 305	8
English 201	4
Political Science 101	4
Public Address 101	4
History 101, 102	8
Military Science 201, 202, 203 (male students)	3

Junior year

English 202 or 433	4
Biology 305, 346, 424	12
Biology 340, 344	8
Sociology 103	4

Economics 200	4
Philosophy 210 or 101	4
Music 165 or Art 120	4
Physical Education (3 Quarters)	(Non-credit) 0
Psychology 201	4

RECOMMENDED PRE-PHARMACY PROGRAM

Advisers: Payne, C. R. Brent, Cliburn, B. C. Smith

The requirement for admission to most schools of pharmacy is two years of pre-pharmacy training. The student should obtain a copy of the catalog of the school of pharmacy which he plans to attend and with his academic adviser adjust his course of study to meet his individual needs.

First Pre-pharmacy Year	Hours
Chemistry 101, 102, 103	15
English 101, 102, 103	12
Mathematics (Algebra and Trigonometry) 101, 102, 103	12
Biology 101, 102, 103	12
Electives	4
Second Pre-pharmacy Year	
Chemistry 301, 302, 303	15
Physics 101, 102, 103	12
Economics 251, 252	8
Botany 104, 214	8
Electives*	12

*Electives should be selected from one or more of the following fields of study: English literature, foreign languages, history, mathematics, philosophy, political science, psychology, sociology, speech.

RECOMMENDED PRE-OPTOMETRY PROGRAM

Advisers: Payne, C. R. Brent, Cliburn, B. C. Smith

Most schools of optometry require at least two years of pre-optometry courses as a prerequisite.

First Pre-optometry year	Hours
English 101, 102, 103	12
Mathematics 101, 102, 103	12
Biology 101, 102, 103	12
History 101, 102	8
Sociology 103	4
Philosophy 210	4
Physical Education (3 Quarters)	(Non-credit) 0
Military Science 101, 102, 103 (male students)	3
Second Pre-optometry Year	Hours
Physics 101, 102, 103	12
Chemistry 101, 102, 103	15
Psychology 201	4
Public Address 101	4
English 201, 332	8
Political Science	4
Economics 200	4
Music 165 or Art 120	4
Physical Education (3 Quarters)	(Non-credit) 0
Military Science 201, 202, 203 (male students)	3

PRE-NURSING PROGRAM

Advisers: Payne, C. R. Brent, Cliburn, B. C. Smith

Two pre-nursing programs are offered on the Hattiesburg campus. See also the Division of Continuing Education for the Natchez nursing program.

The Methodist Hospital School of Nursing, Hattiesburg, Mississippi, requires that all pre-nursing students complete the following subjects before beginning their clinical nursing program at Methodist Hospital. Upon completion of the remainder of the program, Methodist Hospital School of Nursing will award a Diploma in Nursing and the graduate will be eligible to take the licensing examinations required to become a Registered Professional Nurse in Mississippi. The total program can be completed in three years. Students desiring to enter this program must make application to the Director of the School of Nursing, Methodist Hospital, before August 1. This is required for those desiring State Scholarship Aid.

First Quarter
General Biology
(BIO 101)
General Chemistry
(CHE 121)
English Composition
(ENG 101)
Introduction to Sociology
(SOC 103)
Freshman Women Physical Education
(PED 104)

Second Quarter
Human Anatomy
(BIO 228)
General Chemistry
(CHE 122)
English Composition
(ENG 102)
General Psychology
(PSY 201)
(PED 105)

Third Quarter
Physiology
(BIO 229)
Bacteriology
(BIO 339)

English Composition
(ENG 103)
Food and Nutrition
(HEC 178)
(PED 106)

In addition, the faculty of the School of Nursing will conduct one course each quarter on the USM Campus:

1st Quarter Nursing I—Introduction to Nursing as a Profession
2nd Quarter Nursing II—Nursing and the Community
3rd Quarter Nursing III—Introduction to Medical Science

Those students intending to transfer to professional nursing programs other than the two described above should plan their pre-professional curricula in the closest consultation with the particular nursing school to which they intend to transfer.

RECOMMENDED PRE-LAW PROGRAM

Adviser: Dr. Wilber

The requirements for admission to accredited law schools vary. Some schools require only three years of pre-law study, but many require completion of degree programs. The pre-law student should obtain a catalog of the law school where he intends to study, and use it in planning his program. Law schools expect the pre-law student to emphasize content subjects rather than skill subjects. All schools require that their students be able to express themselves well in written composition, so a student who is weak in composition should take extra courses.

The program at the University of Southern Mississippi is divided into two parts, and the pre-law student should select one.

A. The student may earn a regular baccalaureate degree from the University of Southern Mississippi.

B. The student may earn a degree from the College of Arts and Sciences by completing three years of pre-law study and transferring back a year of work from the law school after it is completed. Under this program the following requirements must be met:

1) A minimum of 140 hours with 280 quality points in pre-law courses

must have been completed, with at least four quarters of residence at the University of Southern Mississippi.

2) All core requirements must have been met.
3) At least one year of law school work must be transferred back, the marks for which must average "C" or better. The combined total of hours at the University of Southern Mississippi and those transferred back from law school must equal 192 or more. The work from the law school must be transferred back within two years of leaving the University of Southern Mississippi.

The student's attention is invited to the following courses that might be especially helpful in preparing for law school:

Accounting; 201, 202, 203.
Finance 310, 311.
History 411, 469, and 470.
Political Science 307, 412, 434, and 485.
P.A. 101

The student should notice that most law schools now require an applicant for admission to have taken satisfactorily the Law School Admission Test. Some schools want this to be taken nine months before entering law school. The pre-law adviser can inform a student of the dates and places where this test is given, but the student must arrange for taking it well in advance.

RECOMMENDED PRE-ENGINEERING PROGRAM

Advisers: Munn, St. Clair

The following curricula are set up to meet the requirements for admission to most engineering schools. The student should note that in each of the pre-engineering programs, there are several electives allowed. A catalog from the selected engineering school should be consulted before the elective courses are chosen.

Some courses that are acceptable at many engineering schools are English 201 and 202; Economics 200 and 251; Public Address 101; Philosophy 300, 303, and 401; Sociology 103; and Psychology 201.

The pre-engineering student must maintain the average required by the University of Southern Mississippi to conform to the following schedule of more than nineteen hours per quarter. Those students not meeting the requirements of the University for taking this schedule should plan to spend more than six quarters in pre-engineering.

FRESHMAN YEAR PROGRAM FOR ALL ENGINEERS

Fall Qtr.	Hrs.	Winter Qtr.	Hrs.	Spring Qtr.	Hrs.
Math 171	4	Math 276	4	Math 277	4
English 101	4	Chemistry 102	5	Chemistry 103	5
Chemistry 101	5	English 102	4	English 103	4
Ind. Arts 121	3	Ind. Arts 122	3	Elective	4
Pol. Sc. 101	4	ROTC	1	ROTC	1
ROTC	1	PE	0	PE	0
PE	0	Elective	4		
	21		21		18

CIVIL ENGINEERING PROGRAM—SECOND YEAR

Fall Qtr.	Hrs.	Winter Qtr.	Hrs.	Spring Qtr.	Hrs.
Electives	8	Math 279	4	Math 305	4
Math 278	4	Physics 202	4	Physics 203	4
Physics 201	4	History 101	4	Geology 101	4
Ind. Arts 325	4	Electives	8	History 102	4
ROTC	1	ROTC	1	Elective	4
		PE	0	ROTC	1
PE	0			PE	0
	21		21		21

CHEMICAL ENGINEERING PROGRAM—SECOND YEAR

Fall Qtr.	Hrs.	Winter Qtr.	Hrs.	Spring Qtr.	Hrs.
History 101	4	Math 279	4	Math 305	4
Math 278	4	Physics 202	4	Physics 203	4
Physics 201	4	Chemistry 202	4	Chemistry 203	4
Chemistry 201	4	History 102	4	Ind. Arts 325	4
Elective	4	Elective	4	Elective	4
ROTC	1	ROTC	1	ROTC	1
PE	0	PE	0	PE	0
	21		21		21

ELECTRICAL AND MECHANICAL ENGINEERING PROGRAM—SECOND YEAR

Fall Qtr.	Hrs.	Winter Qtr.	Hrs.	Spring Qtr.	Hrs.
Electives	8	Math 279	4	Math 305	4
Math 278	4	Physics 202	4	Physics 203	4
Physics 201	4	History 101	4	History 102	4
Ind. Arts 136	4	Electives	8	Ind. Arts 325	4
ROTC	1	ROTC	1	Electives	4
PE	0	PE	0	ROTC	1
				PE	0
	21		21		21

COLLEGE OF ARTS AND SCIENCES

Claude E. Fike, Dean

It is the purpose of the College of Arts and Sciences to provide a broad cultural and educational experience, specialized disciplines in major and minor fields, and pre-professional programs. Consult the graduate bulletin for post-baccalaureate programs.

A student wishing to enter the College of Arts and Sciences must complete the core requirements in the Basic College with an over-all "C" average, and then make application for transfer to the College of Arts and Sciences. He will then be assigned to the departmental chairman of his major field for academic advisement. The student should note the specific B.A. or B.S. degree requirements of the College of Arts and Sciences as given below in order to complete as many of the required courses as possible in the Basic College prior to transfer. The courses below must be taken either in the Basic College or after transfer to the College of Arts and Sciences.

For the Bachelor of Arts Degree:

English 202 and 203

12* or 24 hours of Foreign Language (must be in the same language)

4 hours from each of the following five fields of study:

(Total: 20 hrs.)	Preferably, these courses should be taken in the Basic College, but may be completed after the student is admitted to the College of Arts and Sciences.
Economics 200 or 251	
Geography 103	
Philosophy 101	
Psychology 201	
Sociology 103 or 201	

8 hours from two of the following three fields of study:

Music 165

Art 120

Public Address 101, 103, or 111

12 hours of science: either the Fundamentals of Science, or in a laboratory science. This is not an additional school requirement but indicates a choice

*Pertains to students who have completed at least two years of a foreign language in high school, whose placement test results indicate that they are adequately prepared to begin the second year of the same language, and who complete the second year of this same language.

For the Bachelor of Science Degree

English 202 or 433

12 hours of foreign language (must be in the same language) may be required at the option of the major department.

8 hours of Mathematics (total required: 12 hours, including 4 in the Basic College core)

12 hours of laboratory science. B.S. degree students should elect 12 hours of laboratory science in the Basic College prior to admission to the College of Arts and Sciences, giving them a total of 24 hours of science requirements for the B.S. degree.

Philosophy 101 or 210

4 hours from three of the following four fields of study:

(Total: 12 hrs.)	Preferably, these courses should be taken in the Basic College, but may be completed after the student is admitted to the College of Arts and Sciences.
Geography 103	
Economics	
Psychology 201	
Sociology 103 or 201	

ORGANIZATION

The College of Arts and Sciences is organized into sixteen departments: Biology, Chemistry, Communication, Economics (for Bachelor of Arts degree), English and Literature, Foreign Languages, Geography and Geology, History, Mathematics, Military Science, Physics and Astronomy, Political Science, Religion and Philosophy, Science Education, Sociology, and Speech and Hearing Sciences. Majors and minors are offered in all of these areas except Military Science. The College shares with the School of Education and Psychology joint responsibility for the Department of Science Education, embracing a sequence of courses titled Fundamentals of Science.

DEPARTMENT OF BIOLOGY (Bio.)

J. F. Walker, Chairman

Abbott, Chambers, Cliburn, Fish, Gunter, Harrises, Jones, Long, Smith, Stocks

PURPOSE

The Department endeavors to prepare students to become research biologists, marine biologists, biology teachers, and workers for state game-fish commissions and national parks. The Department also offers courses in biology to meet all requirements of pre-professional training in the specialized fields of medicine, dentistry, nursing, medical technology, pharmacy, veterinary science, entomology, and marine biology.

Requirements for Major

A student majoring in biology may elect one of several alternative plans. He may work toward either the B.A., the B.S. (Teaching or B.S. Non-Teaching degree), the M.S. in teaching of biological sciences, M.S. in biology, M.S. in Combined Sciences and the Ph.D. For the Masters and Ph.D. degrees consult the Graduate Bulletin. The student's choice of a program of study should be determined by his plans for the future and after consultation with his adviser.

A. Curriculum—College Core

In meeting core curricula requirements for any of the undergraduate degrees listed above, the student majoring in biology should elect a full year of chemistry and a full year of physics in lieu of the minimum core requirements for the physical sciences.

B. Curriculum for Prospective Biology Teachers in the Secondary Schools

Majors in biology who are candidates for the B.S. Teaching degree are advised to select 44 quarter hours from the following three groups of courses:

1. Biology 101, 102, 103, or 104—16 hours
2. Biology 301, 302, 311 and 312—16 hours
3. Biology 401, 339 or 300, and 360 or 362—12 hours

C. Curriculum for the B.S. or B.A. Non-Teaching Degree

1. General Requirements

All majors in biology, except those taking the B.S. Teaching degree, must take a minimum of 48 hours in the Department of Biology. Twenty-four of the 48 must be in courses numbered 300 or above. All majors are required to take Biology 101, 102, 103 or 104. Moreover a major must take either two quarters of Comparative Anatomy, Bio 301-302, or two quarters of Botany, Bio 311-312, and Bio 401. Biology 228 and 229 will not count toward a major in biology without special permission of the Department Chairman.

2. Requirements for Specialized Programs:

The pre-professional requirements for the specialized fields of medicine, nursing, and medical technology are listed on preceding pages in the Basic College Section of this catalog.

The specialized programs in Botany, Zoology, and Microbiology are as follows:

Botany

A minimum of 48 hours that will include Biology 101, 102, 103, 311, 321, 319, 401, plus an additional 12 hours in advanced botany selected with the approval of the major professor from the botany courses listed on the following pages.

Zoology

A minimum of 48 hours selected with consent of the major professor from the following: Biology 101, 102, 103, 418, 419, 362 (or 353), 300, 301, 302, 306, 303, 304, 401, 481, 482, and 484. Bio 301-302 and 401 are required.

Microbiology

A minimum of 48 hours which must include Bio 101, 102, 103, 401, and 300 plus an additional sixteen quarter hours of courses in bacteriology or other areas of microbiology selected with the approval of the major professor from the courses listed in the following pages.

Detailed outlines of specialized programs with majors in biology are as follows:

Curriculum Leading to
BACHELOR OF SCIENCE DEGREE
Recommended for
MAJOR IN BIOLOGY
and
MINOR IN BOTANY
(For freshman and sophomore years, see Basic College core curricula)

Junior Year

Fall	Hrs.	Winter	Hrs.	Spring	Hrs.
Biology 305 or 303	4	Biology 306 or 304	4	Biology 401	4
Biology 311	4	Biology 312	4	Biology 319	4
Biology 300	4	Elective	8	Biology 410	4
Elective	4			Elective	4
	16		16		16

Senior Year

Fall	Hrs.	Winter	Hrs.	Spring	Hrs.
Biology 339	4	Biology 412	4	Biology 411	4
Biology 481 or 322	4	Biology 482	4	Biology 340	4
Elective	8	Elective	8	Elective	8
	16		16		16

Curriculum Leading to
BACHELOR OF SCIENCE DEGREE
Recommended for
BIOLOGY MAJOR
CHEMISTRY, GEOLOGY OR PHYSICS MINOR
(For freshman and sophomore years, see core curricula)

Junior Year

Fall	Hrs.	Winter	Hrs.	Spring	Hrs.
Biology	4	Biology	4	Biology 401	4
Chem., Geol. or Physics	4	Chem., Geol. or Physics	4	Chem., Geol. or Physics	4
Biology 339	4	Psychology	4	Elective	8
Elective	4	Elective	4		
	16		16		16

Summer—6 weeks at Gulf Coast Research Laboratory—
Biology 153 or 161—9 hrs.

Senior Year

Fall	Hrs.	Winter	Hrs.	Spring	Hrs.
Chem., Geol. or Physics	4	Chem., Geol. or Physics	4	Chem., Geol. or Physics	4
Philosophy 101	4	Philosophy 300	4	Elective	12
Elective	8	Elective	8		
	16		16		16

PRE-BIOLOGICAL OCEANOGRAPHY

Freshman Year

Biology 101, 102, 103
General Biology-
12 quarter hours
Biology 104
Intro. to Botany,
4 quarter hours
General Inorganic Chemistry 121, 122, 123
12 quarter hours

English 101, 102, 103
(12 quarter hours)
History 101, 102
(Core requirements,
8 quarter hours)
Physical Education
(3 quarters)
Military Science (3 quarters
req. for men)

Sophomore Year

Psychology 201
(Core requirement, 4 hours)
Chemistry 201, 202, 203
12 quarter hours, qual. and quan.
Health 179
4 quarter hours
Military Science 3 quarters
(req. for men)

Biology 301, 302 (comparative
Anatomy, 8 quarter hours)
English (Literature) 201, 202
(Core requirements, 8 hours)
Math 101, 102, 103 (12 quarter hours)
(two quarters of algebra, one of trigonometry)
P.E. (3 quarters)

Junior Year

Biology 300 (Protozoology)
(4 quarter hours)
Biology 401 (Genetics, 4 hours)
Foreign Language (12 quarter hours)
Electives (4 quarter hours)
Biology 419—Field Zoology

Physics 101, 102, 103 (12 hours)
Social Studies (8 quarter hours)
(Core requirements, may be selected from any of the following departments: Sociology, Economics, Government, or Geography)

Senior Year

Biology 481, 482 (Ecology, 8 hours)
Electives (20 quarter hours)
(Second year French, German, etc. highly recommended)
Speech 101
(Core, 4 quarter hours)
Biology 484 (Limnology, 4 hours)
Chemistry 321, 322, 323 (Organic)
(12 quarter hours)

In addition to the core requirements, certification requirements and the departmental requirements, the student must complete requirements for a minor in a related field. Courses not used to fulfill any of these requirements are free electives and may be taken in any department of the University. The minor field courses should be selected after consultation with the major professor.

The requirements for the M.S. in the teaching of biology are listed in the Graduate Bulletin. Students may also take the M.S. in biology with a minor in geology, physics, chemistry, health, or psychology. Each student before registering for any graduate work must first of all confer with his major professor and obtain approval of his entire graduate program.

GULF COAST RESEARCH LABORATORY

The University of Southern Mississippi is closely allied with the Gulf Coast Research Laboratory at Ocean Springs. Staff members and biology majors in both the graduate and undergraduate schools have been active participants in the work at the Gulf Coast Research Laboratory. It is strongly recommended that all graduate majors in biology take at least a six-weeks program in marine biology as offered at the Laboratory. The following undergraduate courses are to be had only at the Gulf Coast Research Laboratory: Biology 454-G454, 431-G431, 429-G429.

GENERAL COURSES

101—**Biology I.** Four hours.

Two theory periods and two two-hour laboratory periods each week.

This course and biology 102 which follows constitute the general core requirements in biological sciences for the B.S. professional degree.

A treatment of the protoplasmic concept, cell theory, tissues, etc., and the beginning of a survey of animal phyla.

102—**Biology II.** Four hours.

Two theory periods and two two-hour laboratory periods each week.

A continuation of Biology 101, completing the survey of animal kingdom and beginning study of systems.

103—**Biology III.** Four hours.

Two theory periods and two two-hour laboratory periods each week.

Prerequisite: Biology 101 (or 104).

The circulatory, respiratory, excretory, reproductive, endocrine, and nervous systems; fundamental principles of genetics and evolution. Vertebrates studied in laboratory.

485-G485—**History of Biology.** Four hours.

For seniors and graduate students only.

Lectures and readings concerning the development and organization of the biological sciences; the development of biological principles and theories will be emphasized.

ZOOLOGY

300-G300—**Protozoology.** Four hours.

Two theory periods, and two two-hour laboratory periods each week.

Prerequisites: Biology 101, 102, and 103.

Studies are made of parasitic and free-living protozoa concerning their anatomy and life histories. Vital stains and permanent mounts are utilized; students prepare some permanent mounts.

301—**Comparative Anatomy I.** Four hours.

Two theory periods and two two-hour laboratory periods each week.

Prerequisites: Biology 101, 102, and 103. Biology majors are not allowed credit for this course unless Biology 302 is completed.

302—**Comparative Anatomy II.** Four hours.

Two theory periods and two two-hour laboratory periods each week.

Prerequisite: Zoology 301.

A continuation of Biology 301, laboratory work devoted to study of the turtle and cat.

305—**Microtechnique.** Four hours.

One hour lecture and six hours laboratory per week.

Prerequisites: Biology 101, 102, and 103. Open to juniors and seniors, and others by special permission.

Techniques for preparing whole mounts and tissue slides.

346-G346—**Parasitology I.** Four hours.

Four hours laboratory and two hours lecture per week.

Prerequisites: Biology 101, 102, 103.

The epidemiology, morphology, and importance of animal parasites, with emphasis on those affecting man.

347-G347—**Parasitology II.** Four hours.

Prerequisite: 346 or G346 or consent of instructor.

A continuation of 346.

360-G360—**Field Zoology: Herpetology.** Four hours.

Two hours lecture and four hours laboratory per week.

Identification, preservation, and collection of all local species of amphibians and reptiles. Discussions of southeastern United States zoogeography, and faunal problems. Field trips when possible.

362-G362—**Entomology.** Four hours.

Four hours laboratory and two hours lecture per week.

Prerequisites: Biology 101, 102, and 103.

A study of the principal groups of insects. Life habits, structural adaptations, life histories, natural habitats, classifications and the economic importance of certain species.

401-G401—**Genetics.** Four hours.

Prerequisites: Biology 101, 102, and 103.

The fundamental principles of heredity.

414-G414—**Cellular Physiology I.** Four hours.

Two hours lecture per week plus one four-hour lab per week.

Prerequisites: 12 hours of Biology, 12 hours Inorganic Chemistry and either 8 hours of Organic Chemistry or 8 hours of Analytical Chemistry, plus 8 hours of Mathematics.

A functional study of the inorganic, organic, and physical aspects of living organisms with emphasis on the cell.

421-G421—**Embryology I.** Four hours.

Two theory periods and two two-hour laboratory periods each week.

Prerequisites: Biology 101, 102, 103, 301, and 302.

Embryology of vertebrates, especially the frog. Maturation, fertilization, cleavage, origin and development of germ layers, histogenesis, and organogenesis. Strongly recommended for majors.

422-G422—**Embryology II.** Four hours.

Prerequisite: Embryology 421.

A continuation of Embryology 421. The embryological development of vertebrates, especially the chicken and the pig. Histogenesis and organogenesis of the chicken, the pig, and man.

424-G424—**Histology.** Four hours.

Three lecture periods and one two-hour laboratory period each week.

Prerequisites: Biology 101, 102, and 103.

Microscopic anatomy for general students. Recommended for hospital technicians, nurses, and biology majors.

427-G427—**Biogeography.** Two hours.

Two lectures per week.

A descriptive and analytical study of the distribution of plants and animals.

433-G433—**Medical Entomology.** Four hours.

Two hours lecture and four hours laboratory per week.

Prerequisites: 12 quarter hours of Zoology.

The study of the various species of arthropods of medical importance.

435-G435—**Mammalogy.** Four hours.

Two hours lecture and four hours laboratory and field work per week.

Prerequisites: Biology 301, 302 recommended.

Morphology, taxonomy, life history, distribution, evolution, and adaptations of mammals.

437-G437—**Ornithology.** Four hours.

Two hours lecture and four hours laboratory and field work per week.

Prerequisites: Biology 301, 302 recommended.

Morphology, taxonomy, life history, distribution, evolution, and adaptations of birds.

450-G450—**Principles of Nomenclature.** Two hours.

Prerequisites: Biology 101, 102, 103, and Biology 360 or Biology 466.

481-G481—**Ecology I.** Four hours.

Two hours lecture and four hours laboratory or field work per week.

Prerequisite: 24 hours of biology including a course in botany, 12 hours of chemistry, college algebra.

Interrelations between organisms and their environment. Biogeochemical cycles and nutrient distribution. Limiting factors, productivity and energy transfer in food chains. Ecological succession.

482-G482—**Ecology II.** Four hours.

Two hours lecture and four hours laboratory or field work per week.

Prerequisite: Biology 481

Ecological effects of temperatures, light, rainfall, salinity. Relationship of respiration and osmoregulation to environmental factors. Population growth form.

483-G483—**Ecology III.** Four hours.

One hour lecture and a minimum of six hours laboratory per week.

Prerequisite: Ecology 482 and senior standing, except by special permission.

Special field and laboratory problems in beginning ecological research under direction.

484-G484—**Limnology.** Four hours.

Lectures, laboratories, and field trips.

Prerequisites: Biology 102, 481, and 482 strongly recommended. Junior standing and permission.

A study of the physical, chemical, and biological conditions in lakes, ponds, and streams.

492—**Biological Problems I, II, III.** Two hours each.

Given only by special arrangement.

A course in special techniques, designed for majors with a need for certain basic biological techniques as tools for future research.

COURSES SPECIALLY RECOMMENDED FOR MARINE BIOLOGY MAJORS

See listing of courses given at Gulf Coast Research Laboratory.

418-G418—**Field Zoology: Macroscopic Invertebrates.** Four hours.

One hour lecture and six hours laboratory per week.

Prerequisite: Biology 101, 102, 103.

Collection, preservation, identification, and general biology of local, macroscopic, marine, fresh-water and terrestrial invertebrates. Field work as needed.

419-G419—**Field Zoology: Microscopic Invertebrates.** Four hours.

One hour lecture and six hours laboratory per week.

Prerequisite: Biology 101, 102, 103.

Collection, preservation, identification, and general biology of local, macroscopic, marine, fresh-water and terrestrial invertebrates.

466-G466—**Ichthyology.** Four hours.

Four hours laboratory and two hours lecture per week.

Prerequisites: Biology 101, 102, 103

Collection, preservation and identification of local species of fishes and fish-like vertebrates, with primary emphasis on fresh water forms. Field work when possible.

479-G479—**Introduction to Biological Oceanography.** 2 hours.

Prerequisites: 481 or G481 and 482 or G482.

Introductory study of fundamentals of oceanography to acquaint the student with major ocean basins and their characteristic topography. Physical and chemical characteristics of sea water will be examined from biological viewpoint. The course is intended as prerequisite for Biology 515. Restricted to seniors and graduate students.

BOTANY

104—**General Botany.** Four hours.

Anatomy, physiology, and reproduction of major plant groups and their taxonomy.

311-G311—**Botany I.** Four hours.

Two theory periods and two two-hour laboratory periods each week.

A study of gross and microscopic structures, physiology, life cycles, and economic significance of the Thallophytes.

312-G312—**Botany II.** Four hours.

Prerequisite: Botany 311.

A study of the Bryophytes and Pteridophytes.

319-G319—**Taxonomy of Higher Plants.** Four hours.

Prerequisite: Botany 104.

A study of classification of both wild and cultivated seed plants.

322-G322—**Introductory Mycology.** Four hours.
Two hours lecture and four hours laboratory.
Prerequisite: General Bacteriology or Botany 104.
Laboratory devoted to general procedures of cultivation and identification.

323-G323—**Plant Anatomy.** Four hours.
A study of the anatomy of recent and fossil plants.

410-G410—**Introductory Morphology of Plants.** Four hours.
Three hours lecture and two hours laboratory.
Prerequisite: Advanced standing in botany.
Laboratory devoted to study of extant and fossil vascular plants.

411-G411—**Plant Ecology.** Four hours.
Prerequisite: Advanced standing in Botany.
Relationship of plants to their environment.

412-G412—**Plant Physiology I.** Four hours.
Two theory and two laboratory periods per week.
Prerequisite: General botany (Botany 104 or its equivalent). General chemistry and organic chemistry recommended.
Studies of basic physiological processes of green plants: greenhouse laboratory work.

BACTERIOLOGY

339—**General Bacteriology I.** Four hours.
Four hours laboratory and two hours lecture.
Prerequisite: General Biology, organic chemistry recommended.
Introduction to basic principles of bacteriology.

340—**General Bacteriology II.** Four hours.
Four hours laboratory and two hours lecture.
Prerequisite: Biology 339.
A continuation of 339.

344-G344—**Bacteriology.** Four hours.
Four lectures per week.
Special emphasis on molds, yeasts, and bacteria associated with disease.

403-G403—**Food Bacteriology.** Four hours.
Two hours lecture and two two-hour laboratories.
Prerequisites: Biology 339, 340, organic chemistry or consent of instructor.
Microorganisms important in food: preservation and spoilage of food: food in relationship to diseases.

405-G405—**Public Health Bacteriology.** Four hours.
Two hours lecture and four hours laboratory.
Prerequisite: Biology 339 and 340.
Schemes for isolation and identification of major groups.

420-G420—**Soil Bacteriology.** Four hours.
Two hours lecture and two two-hour laboratories.
Prerequisites: Biology 339, 340, organic chemistry or consent of instructor.
Study of soil microflora, emphasis on Nitrogen-Carbon cycle in environment.

441-G441—**Water and Sewage.** Four hours.
Two hours lecture and two two-hour laboratories.
Prerequisites: Biology 339, 340, organic chemistry or consent of instructor.
Control of purity water supply: sources and types of pollution and control of sewage disposal.

471-G471—**Immunology and Serology.** Four hours.

Prerequisite: Advanced standing in microbiology.

Two lectures and two two-hour laboratory periods.

Studies of infection, resistance, types of immunity, hypersensitivity, and major techniques of diagnostic immunological reactions.

ANATOMY AND PHYSIOLOGY

228—**Human Anatomy.** Four hours.

Prerequisites: Biology 101, 102, and 103.

Three lectures per week; one two-hour laboratory period.

Introductory course in human anatomy. Carries no credit for biology majors.

229—**Physiology.** Four hours.

Prerequisites: Biology 101, 102, 103, 228, general chemistry recommended.

Three lectures and one two-hour laboratory period.

Principles of human physiology. Credit for majors by special permission.

MARINE BIOLOGY

THE FOLLOWING COURSES ARE TAUGHT AT THE GULF COAST RESEARCH LABORATORY IN OCEAN SPRINGS BY THE GULF COAST RESEARCH LABORATORY STAFF

429-G429—**Marine Botany.** Four and one-half hours.

Prerequisites: General botany, plant taxonomy, and Biology 339.

A survey, based upon local examples, of the principal groups of marine algae, treating their structure, reproduction, distribution and general biology; including a survey of the common maritime flowering plants, their identification and ecology.

431-G431—**Marine Vertebrate Zoology.** Nine hours.

Prerequisite: 12 hours in biology, including comparative anatomy.

A formal lecture and laboratory survey of all marine chordates, including the lower subphyla, the fishes, reptiles, mammals, and shore birds.

454-G454—**Marine Invertebrate Zoology.** Nine hours.

A study of the structure, natural habitats, classification and economic importance of invertebrate species native to the waters of the Mississippi Sound and around the outlying islands.

488—**Marine Zoology for Teachers.** Six hours.

Prerequisite: 12 quarter hours of biology. No credit toward a major or minor in biology.

Designed for teachers of biological science in elementary and secondary schools to become acquainted with marine life in the Gulf of Mexico. Trips to shrimping grounds, oyster reefs, and sea food processing plants will be made.

DEPARTMENT OF CHEMISTRY (Che.)

C. E. Lane, Jr., Chairman

Brent, Coe, Hurst, Long, Newsom, Payne, Thames

A student planning to major in chemistry may elect either the B.S. or the B.A. degree. For information concerning the Master's degree and the Doctor of Philosophy degree, see the Graduate Bulletin. A major in chemistry will include not less than 48 quarter hours of chemistry.

The Department of Chemistry is accredited by the Division of Chemical

Education of the American Chemical Society. A chemistry major may now graduate as a chemist certified by the American Chemical Society. In order to obtain this certified degree the following curriculum is prescribed.

Freshman Year

English 101, 102, 103
Chemistry 101, 102, 103
Mathematics 101, 102, 103
History 101, 102
Political Science 101
Physical Education (Non-credit)

Sophomore Year

English 201, 332; Soc. Sci. 4 hrs.
Chemistry 204, 205, 206
Mathematics 171, 275, 276
Physics 201, 202, 203
Physical Education (Non-credit)

Junior Year

Chemistry 304, 305, 405
Chemistry 401, 402, 403
Mathematics 277, 278, 405
German 121, 122, 123

Senior Year

Chemistry 431, 432 or 406, 496 or 425
German 221, 222; Art 120
Soc. Sci. 8 hrs.; Public Address 179
Physics 371 or 471, 381 or 472;
Philosophy 210

SECONDARY EDUCATION

A major in chemistry for secondary education will include not less than 36 hours and must consist of:

Chemistry 101, 102, 103
Chemistry 204, 205, 206
Chemistry 304, 305

Other courses may not be substituted.

Chemistry Courses

In the sequence of courses the immediate lower number is prerequisite for the following course. Example: Chemistry 101 is prerequisite to 102 and 102 to 103.

101, 102, 103—**General Chemistry.** Five hours each.

Four theory periods and one three-hour laboratory period per week.

Prerequisite: Algebra, or Mathematics 101 and 102 taken concurrently with Chemistry 101 and 102.

A course in general inorganic chemistry stressing fundamental principles and a comparative study of the elements. Emphasis upon fundamental laws, theories, and application.

121, 122, 123—**General Chemistry.** Four hours each.

Three theory periods and one double laboratory period per week.

A course in general inorganic chemistry stressing a general understanding of chemistry and the chemical industry. This sequence is not to be taken by chemistry majors and will not be accepted in that program, except when this series is transferred from another college or university and is approved by the chairman of the department.

204, 205, 206—**Organic Chemistry.** Five hours each.

Three theory and two three-hour laboratory periods per week.

Prerequisite: Chemistry 103 or 123.

A course intended to give the student a knowledge of the fundamental principles of the compounds of carbon. Reactions of organic compounds, their derivatives, their nomenclature, classification, relationships and general applications. Required of chemistry majors.

251—**Organic Chemistry.** Four hours.

Three theory periods and one double laboratory period per week.

Prerequisite: Chemistry 123 or 103.

A short course in organic chemistry designed for students majoring in home economics. Aliphatic and aromatic hydrocarbons; the applications of organic chemistry to the home.

252—**Food Chemistry.** Four hours.

Three theory periods and one double laboratory period per week.

Prerequisite: Chemistry 251.

A brief course in the composition and properties of foods; proteins, carbohydrates, fats, and salts. For Home Economics students.

253—**Physiological Chemistry.** Four hours.

Three theory and one double laboratory period per week.

Prerequisite: Chemistry 252.

A course designed for home economics students, with emphasis on a study of the chemistry of the human body.

304, 305—**Analytical Chemistry.** Four hours each.

One theory period and three double laboratory periods per week. One hour recitation.

Prerequisite: Chemistry 103 or 123, preferably 103, concurrently with 401 and 402.

A course intended to give a knowledge of chemical equilibrium and the theories of quantitative analysis and a study of the techniques necessary in making gravimetric and volumetric determinations with an introduction to instrumental analysis.

370—**Premedical Quantitative Analysis.** Four hours.

Two theory periods. Six hours laboratory per week.

Prerequisite: Chemistry 206.

371, 372—**Physical Chemistry for Pre-Medical and Biological Sciences Students.** Four hours each.

Three theory periods and one double laboratory period per week.

Prerequisites: Mathematics 103, Chemistry 305 or 370.

Those topics of physical chemistry of immediate application to the problems of pre-medical and biological work form the basis of this course, the gas laws, kinetics, equilibrium and free energy, electro-chemistry, pH, buffers, surface phenomena, colloids, and membrane phenomena.

401-G401, 402-G402, 403-G403—**Physical Chemistry.** Four hours each.

Three hours theory and one three-hour laboratory period per week.

Prerequisites: Mathematics 276 and Chemistry 206.

A mathematical treatment of the laws governing chemical and physical changes. A study of the fundamental principles of chemistry and physics in their relation to each other.

404-G404—**Chemical Literature.** One hour.

One lecture per week.

Prerequisite: Permission of the instructor.

The selection and use of the reference materials of chemistry; periodicals, journals, texts, patents, and other sources of information.

405-G405—**Instrumental Analysis.** Five hours.

Three hours lecture and four hours laboratory or library per week.

Prerequisites: Chemistry 206, 305, 402.

Offered on demand. A course in the theory and use of analytical instruments such as colorimeters, polarimeters, ultraviolet, visible and infrared spectrophotometers, gas chromatographs, etc.

406-G406—**Qualitative Organic Analysis.** Five hours.

Two hours lecture and eight hours laboratory per week.

Prerequisite: Chemistry 206.

Emphasis on the systematic identification of pure organic chemicals and the analysis of mixtures.

425-G425—**Survey of Biochemistry.** Five hours.

Three hours lecture, four hours laboratory per week.

Prerequisite: 206.

431 ,432—**Inorganic Chemistry.** Four hours each.

Three hours lecture plus one three-hour laboratory period.

Prerequisites: Chemistry 403.

Theoretical aspects of valency, stereo chemistry, oxidation potentials, acid-base theories, nonaqueous solvents, coordination compounds, and nuclear chemistry.

474-G474—**History of Chemistry.** Four hours.

Four hour theory per week.

Prerequisite: Senior College standing.

496—**Special Projects I.** 1 to 4 hours.

Prerequisite: Calculus, Chemistry 206, 403, 405.

Available to chemistry majors during their last two quarters of residence, upon recommendation of the faculty of the Department of Chemistry. A course in library and laboratory research on a problem chosen in consultation with the adviser.

DEPARTMENT OF COMMUNICATION

Ben A. Chappell, Chairman

Buckley, Ellis, George, Horton, Strange, Tucker

The Department offers majors in the following areas of study: Communication, Public Address, Journalism, Radio-Television, and General Speech Education. All majors and minors are urged to contact the Department Chairman, or appropriate subdivision director, for assistance in planning their degree programs. Any changes must have the written consent of the Department Chairman.

All majors are required to participate in at least one of the three activities within the Department: debate, radio, or journalism.

Majors and minors are responsible for fulfilling the Basic College core and College of Arts and Sciences' requirements in addition to the specific requirements listed in the appropriate sections below.

Communication

Students majoring in Communication are required to complete 48 hours. **Majors** should follow the prescribed program listed below.

Students desiring a minor in Communication should work out a program in conjunction with the Department and their major field advisor. A suggested program would include: PA 200, 430, 447; JOU 421, 422, 423; RTV 121, 422, 445.

Major requirements:

PA 200, 341, 430, 447	16
JOU 311, 421, 422, 423	16
RTV 422, 445	8
Departmental electives	8

Minor requirements:

An academic minor selected with the Department's approval from one of the following areas: marketing; general business; mathematics; psychology; English; social sciences: history, sociology, geography, political science. Students desiring other minor programs may so petition to the Department Chairman.

Public Address

Students majoring in Public Address are required to complete 40 hours. Required courses include: 101, 230, 341, and 361. Other courses are to be selected with the approval of the Director of Public Address. Course programs will be tailored to individual needs or to specified vocational preparation.

Students minoring in Public Address are required to complete 28 hours, of which PA 101, 230, and 341 are required. All minor programs are to be selected with the approval of the Director of Public Address.

Public Address majors may elect minor programs in any area approved by the University. Recommended minors include: psychology, marketing, management, political science, history, sociology, or mathematics.

Public Address Courses (PA)

101—**Oral Communication.** Four hours.

Fundamentals of speaking and listening. Emphasis on research, organization, and presentation of ideas.

111—**Argumentation and Debate.** Four hours.

Analysis of the principles of argumentation with emphasis on the preparation of cases on national problems, issue development, and refutation. Will satisfy core requirements.

200—**Survey of Mass Communication.** Four hours.

Introduction to public address, radio-television, and journalism as communication media; emphasizes common methodology of symbol transference.

201—**Parliamentary Procedure.** Two hours.

230—**Voice and Diction.** Four hours.

A course designed to improve delivery. Exercises in pronunciation, enunciation, volume control and removal of regional diction errors.

250—**Advanced Oral Communication.** Four hours.

Prerequisite: PA 101 or consent of instructor.

Advanced performance course to provide proficiency in research, oral composition, delivery, and audience adaptation. Designed for students desiring specialized training in oral comunication of ideas.

310—**Forensics.** One hour. (May be repeated).

Intercollegiate forensic activity. Only two hours can be counted toward meeting Public Address degree requirements.

341—**Persuasion.** Four hours.

Humor, personality, motivation, reasoning, and evidence in their relationship to opinion and attitude change. Study of research in persuasion in advertising, social psychology, public opinion and propaganda, and rhetoric. Practical problems in the design and presentation of persuasive messages.

361—**Discussion and Group Leadership.** Four hours.

Methods from dynamic interaction, sociometry, sociodrama, and other aspects of group work as related to communication in small management, business and professional, and community service groups; development of leadership ability and integration in groups.

370-G370—**Speech Composition.** Four hours.

Prerequisite: Consent of instructor.

Designed for the improvement of oral and written style; performance as well as theory.

430-G430—**Business and Industrial Communication.** Four hours.
Prerequisite: Consent of instructor.
Survey of problems and principles of communication within business and industrial organizations and professional associations.

432-G432—**Symbolic Function in Persuasion.** Four hours.
Prerequisite: Consent of instructor.
Synthesis of communication methodologies from general semantics, field theory and cybernetics; application to interdisciplinary problems.

438-G438—**Theories of Speech Behavior.** Four hours.
Prerequisite: Consent of instructor.
Interrelationships of psychology and communications, including Communication theory, Information Theory, and psycholinguistics.

441-G441—**Advanced Persuasion.** Four hours.
Prerequisite: Consent of instructor or PA 341.

447-G447—**Theories of Mass Communication.** Four hours.
Prerequisite: Consent of instructor or PA 200.
Analysis of similarities and differences of process, elements, and effects among interpersonal, newspaper, radio, and television; emphasis on construction and analysis of communication models.

451-G451—**Ethos.** Two hours.
Prerequisite: Consent of instructor or PA 341, PA 441.
Effect of the communicator's personality on the reception and acceptance of persuasive messages.

453-G453—**Campaign Speaking.** Four hours.
A study of voter-candidate relationship and issue development. Taught during fall quarter of election years only, state or national.

461-G461—**Advanced Discussion.** Four hours.
Prerequisite: PA 361.
Application of recent research in areas such as group dynamics to the problem-solving group; emphasis on group leadership.

Journalism

Students majoring in journalism are required to complete 40 hours. Required courses include: 102, 103, 300, 330, and 401. Majors may elect to specialize in news-editorial, public relations, or advertising.
A minor program in journalism consists of a minimum of 28 hours. Courses should be approved by the Director of Journalism.
All majors and minors are required to do practical work on the **Student Printz.** Others are invited to participate in the publication of the paper.
JOU 102 and 103 are prerequisites for all advanced courses unless waived by the Director of Journalism.

Journalism Courses (JOU)

101—**Introduction to Journalism.** Two hours.
History, organization, techniques, and responsibilities of the media of mass communication, with emphasis on the newspaper. A first course for those students who have had little or no journalistic experience at the high school level.

102—**Beginning Reporting.** Four hours.
The study of gathering news and writing simple news stories. Study of leads, story structure, rewrites, follow-up assignments, polishing stories.

103—**Intermediate Reporting.** Four hours.
Writing of complex and special story types: speeches, conventions, interviews, law courts, business, government, politics, criticism, features, society, sports, and others.

300—**Journalism Laboratory.** One hour. (May be repeated).

Practical analysis of each issue of the **Student Printz.** Only four hours may be applied toward fulfilling major requirements; only two hours toward fulfilling minor requirements.

301—**Copy Reading.** Four hours.

Introduction to copy reading, headline writing and make-up. Intensive practice in the principles and techniques of copy reading.

302—**Advanced Editing.** Four hours.

Intensive practice in preparing all types of news copy for publication.

303—**Newspaper Design and Make-up.** Four hours.

A study of the principles and mechanics of make-up, including a brief history of printing and a study. Prerequisite: JOU 301.

311—**Feature Writing I.** Four hours.

Procedure and practice in gathering material for the writing of feature stories. Prerequisite: 102 or consent of instructor.

312—**Feature Writing II.** Four hours.

A more intensive writing course with the focus upon the preparation of feature stories for magazines.

330—**Press Photography.** Four hours.

The relationship of news photography in journalism; the use of simpler cameras, and the developing and printing of pictures. Elements of writing cutlines and captions.

332—**Advanced Press Photography.** Four hours.

Advanced developing and printing of photographs. Contemporary problems in photojournalism. Pictures for wire transmission. Discussion of latest techniques, including color.

341, 342, 343—**Newspaper Advertising I, II, III.** Four hours each quarter.

Principles and functions of advertising with emphasis on selling and promotion, preparation of advertising copy and layouts for newspaper.

355—**Editorial Writing.** Four hours.

Procedures and techniques of writing editorials with emphasis upon attitudes, policies, and style.

400—**History of Journalism.** Four hours.

Development of the newspaper in the United States from 1690 to present. The relationship of social, political, and economic factors to the evolution of the American press.

401—**Law of the Press.** Four hours.

A study of the precedents and present laws governing the press, radio, advertising and photography. Libel, privilege, right of privacy and constitutional guarantees.

402—**Advanced Reporting.** Four hours.

A study of interpretative reporting. Completing the account, explanations, predictions, providing perspective. Current news problems.

403—**Specialized Reporting.** Four hours.

Governmental affairs get major emphasis. Labor, science, business, agriculture, social problems, sports, society and home economics are also covered.

421-G421—**Public Relations.** Four hours.

Total relationship of the institution to its audiences. Origin and development of public relations.

422-G422—**Publicity Methods.** Four hours.

An analysis of the media of communication and their relation to publicity. Mechanics of news releases, press conferences, photographs. Publicity function in the public relations department.

423-G423—**Public Relations Practices.** Four hours.
Internal and external publications in industry and institutions. Contemporary problems of public relations. Prerequisite: JOU 421.

455—**Newspaper Organization and Management.** Four hours.
Focuses on the managerial aspects of newspaper production.

Radio-Television

Students majoring in Radio-Television are required to complete 40 hours. Required courses include: 121, 320, 321, 324, 424, 445. Other required courses include Public Address 101 and 230, and Journalism 102. Other RTV courses are to be selected with the approval of the Director of Radio-Television.

Students minoring in Radio-Television are required to complete 28 hours, of which RTV 121 is required. All minor programs are to be selected with the approval of the Director of Radio-Television.

Radio-Television majors may elect minor programs in any area approved by the University. Recommended minors include: public address, journalism, general business, marketing, history, psychology, or political science.

RTV 121, or its equivalent, is a prerequisite for all advanced courses in Radio-Television.

Radio-Television Courses (RTV)

121—**Introduction to Radio-TV.** Four hours.
A survey of broadcasting. Students will participate in the operation of WMSU.

320—**Radio Laboratory.** One hour. (May be repeated).
Operation of the campus radio station, WMSU. Practical work in all areas of station operation. Only four hours may be used to fulfill degree requirements for majors. Four additional hours will count as electives. Prerequisite: Consent of the instructor.

321—**Radio and Television Announcing.** Four hours.
Prerequisite: 121.

324—**Radio and TV News.** Four hours.
Pictorial and audio reporting of current events.

326—**TV Production.** Four hours.
A course designed to give the advanced broadcasting student an introduction into the area of video. Class meets at WDAM-TV.

350—**Programming Techniques.** Four hours.
Theory and practice of effective commercial and educational radio-television programming. Prerequisite: 121, 321.

360—**Special Techniques in Production.** Four hours.
Open to non-majors and non-minors. Analysis of programming in special areas . . . education, religion, public service, and politics.

422—**Radio and Television Advertising and Writing.** Four hours.
Prerequisite: 121.

424-G424—**Radio and Television Law.** Four hours.
Prerequisite: Consent of instructor.

426-G426—**Radio Station Management.** Four hours.
Prerequisites: 12 hours of RTV courses above 121.

445-G445—**Audience Analysis.** Four hours.
Characteristics of audiences, measurement of attitudes and a study of polling devices and methodologies.

450—**Advanced Television Production.** Four hours.
Student participation in producing a weekly television series.
Prerequisite: 326.

460—**Problems in Broadcast Management.** Four hours.
Analysis of functional relationships in broadcasting with emphasis on union agreements, community service and the financial structure of broadcasting stations.

492—**Special Problems in Radio-Television.** One to four hours.
Prerequisite: Consent of instructor.
Research on specific problems.

General Speech Education

Students desiring to teach speech on the secondary level are required to take 36 hours in the Department of Communication, a 28-hour minor in the Department of Theatre, and fulfill the appropriate Secondary Education requirements listed in that section of the bulletin.

Students should plan their program in cooperation with the department chairmen of these three areas.

Major requirements:

PA 101, 111, 230, 341, 361	20
Public Address electives	12
RTV 121	4
	36

Minor requirements:

THE 111, 201, 202, 203, 302, 413, 418	28

SED requirements as listed in the current bulletin.

DEPARTMENT OF ECONOMICS (B.A.)

Coldwell Daniel III, Chairman
Dixon, Greene, Ho, McQuiston

The economics program is designed to provide students with the specialized tools and knowledge required to analyze the important economic issues in human society. The curriculum affords the opportunity to achieve intelligent citizenship, private employment, governmental employment, and preparation for graduate study.

Economics is an ideal minor and is highly complementary to a major in any social science field. The recommended minor includes Economics 252, 301, 330, 340, 345, 440, and 470.

A student majoring in Economics or Foreign Trade and working toward the B.A. degree must complete the requirements as outlined below. These include the Basic College core, the College of Arts and Sciences requirements, the Economics Department requirements, and the minor area requirements.

Economics course descriptions are found under the Department offerings listed in the School of Business Administration section of this catalog.

SUGGESTED COURSE SCHEDULE

Freshman Year

	Hours
English 101, 102, 103—Freshman Composition	12
History 101, 102—World Civilization	8
Political Science 101—American Government	4
Mathematics 101, 102—College Algebra or Math 100, 112	8
Science	12
Military Science for men	3
Physical Education (non-credit)	0
Basic College Elective (for non-military science students)	4
	47-48

Sophomore Year

Philosophy 210 or 101	4
English 201, 202, 203	12
Public Address 101, 103, 111; Music 165, Art 120 (elect two courses from two fields)	8
Economics 251, 252	8
Geography 103, or Psychology 201 or Sociology 103 or 201	4

Foreign Language	12
Military Science for Men	3
Physical Education (non-credit)	0
Basic College elective (for non-military science students)	4
	51-52

Departmental Requirements

Major in Economics	36
Economics 300—Elementary Mathematical Economics	4
Economics 301—Elementary Econometrics	4
Economics 310—Economic History of the U. S.	4
Economics 330—Money and Banking	4
Economics 340—Price Theory	4
Economics 345—Income Theory	4
Economics 435—International Trade Theory	4
Economics 440—Economic Growth	4
Economics 470—Comparative Economic Systems	4
*Minor requirements and electives**	56-58

*A minor of at least 28 hours may be selected from any department in the university in which a major is offered. Free electives may be taken in any department of the university.
**Students considering graduate work in economics should consult frequently with department advisors, and are urged to take some mathematics courses beyond the minimum core requirements.

	Hours
Major in Foreign Trade	68
Accounting 201, 202, 203—Principles of Accounting	12
Finance 310, 311—Business Law	8
Political Science 457 or 458—International Politics or International Organization	4
History or Geography (elective at 300-400 level)	4
Economics 330—Money and Banking	4
Economics 340—Price Theory	4
Economics 345—Income Theory	4
Economics 435—International Trade Theory	4
Economics 436—International Economics Relations	4
Economics 470—Comparative Economic Systems	4
Economics (Elective)	4
Foreign Language (three courses in addition to the B.A. Language requirement)	12
Electives	24-26

DEPARTMENT OF ENGLISH AND LITERATURE (Eng.)

Charles Moorman, Chairman

Bahr, Benson, Breland, Brinegar, M. Brown, R. Brown, Downey, Eubanks, Higgins, McKinley, Milner, Orange, Payne, Phillips, Stout, Swetman, Watson, Webb, Whittington

Requirements for Major

A student majoring in English may elect one of several alternative plans. He may work toward the B.A., the B.S. teaching, or the B.S. non-teaching degree. For information concerning Master or Ph.D. degrees, consult the graduate bulletin. The student's choice of program should be determined by his plans for the future and in close conjunction with his adviser.

A. Curriculum—Core and College Requirements

The student must select the appropriate core and additional college courses required for his degree as listed on preceding pages of this catalog.

B. Curriculum—B.S. Teaching Degree Requirements

In addition to the departmental requirements listed under C below, the English major working toward the B.S. teaching degree must satisfy the following requirements for a Class A teaching certificate: American literature, four

hours (preferably English 300); English literature, four hours (preferably English 304, 305, or 306); Shakespeare, four hours (English 423 or 425); and advanced grammar, four hours (English 433).

C. Curriculum—Departmental Requirements

The student wishing to major in English, regardless of his degree plan, must take 45 hours in the Department of English, of which 24 hours must be in courses numbered 300 or above. Required of all majors are English 101, 102, 103, 201, 202, 300, 304, 305, and 306. English 101, 102, 103, and 8 hours of sophomore literature are prerequisites for any English course numbered 300 or above.

D. Curriculum—Minor and Electives

In addition to the core and college requirements, the certification requirements (where applicable), and the departmental requirements, the student majoring in English must also complete the requirements for a minor. The English major wishing to qualify as a part-time librarian will need 18 hours of library science. Courses not used to fulfill any of these requirements are free electives and may be taken in any department of the University.

Requirements for Minors

The student minoring in English must take 32 hours in the Department of English, of which 12 hours must be in courses numbered 300 or above. Recommended for the minor are English 101, 102, 103, 201, 202, and 12 hours from English 300, 304, 305, and 306.

Courses of Instruction (Eng)

23—**Writing Laboratory.** No credit.

101, 102, 103—**English Composition I, II, III.** Four hours each.

201, 202, 203—**Introduction to Literature I, II, III.** Four hours each.

300—**American Literature.** Four hours.

304—**English Literature from Chaucer to the Restoration.** Four hours.

305—**Seventeenth- and Eighteenth-Century English.** Four hours.

306—**Nineteenth- and Twentieth-Century English Literature.** Four hours.

332—**Advanced Expository Prose.** Four hours.

338-339—**Creative Writing.** Eight hours. 4-4.
Admission by permission of the instructor.

346—**The Literature of the Bible.** Four hours.

406-G406—**History of the Language.** Four hours.

408-G408—**The Structure of Modern English.** Four hours.

410-G410—**Colonial and Revolutionary American Literature, 1640-1820.** Four hours.

414-G414—**The American Literary Renaissance, 1820-1870.** Four hours.

416-G416—**The Rise of Realism in American Literature, 1870-1920.** Four hours.

418-G418—**American Literature Between the World Wars, 1920-1940.** Four hours.

423-G423—**Shakespeare's Comedies and Tragicomedies.** Four hours.

425-G425—**Shakespeare's Histories and Tragedies.** Four hours.

427-G427—**The English Novel.** Four hours.

430-G430, 431-G431, 432-G432—**Tutorial in Comparative Literature.** Twelve hours. 4-4-4.

433-G433, 434-G434—**Advanced Grammar and Rhetoric.** 8 hours. 4-4. English 433 (formerly 330) places emphasis upon mastery of the fundamentals of grammar to achieve effective instruction at the secondary school level. It is a prerequisite for 434-G434, which emphasizes recent non-traditional trends in the teaching of grammar and composition.

435-G435, 436-G436—**Nineteenth Century Poetry and Prose.** Eight hours. 4-4.

444-G444—**Reading from World Literature.** Four hours.

445-G445—**Literary Criticism.** Four hours.

447-G447—**Major Writers of Eighteenth Century.** Four hours.

451-G451—**Restoration and Eighteenth Century Drama.** Four hours.

473-G473—**Analysis of Poetry.** Four hours.

474-G474—**The Modern European Novel.** Four hours.

479-G479—**Development of English Drama to 1642.** Four hours.

480-G480—**Modern Poetry.** Four hours.

483-G483—**Modern Drama.** Four hours.

485-G485—**Literature of the South.** Four hours.

486-G486—**Seventeenth Century Prose and Poetry.** Four hours.

487-G487—**Milton.** Four hours.

488-G488—**Chaucer.** Four hours.

489-G489—**Literature and the Arts.** Four hours.

Prerequisite: At least one English course numbered 300 or above in a previous quarter, or consent of the instructor.

DEPARTMENT OF FOREIGN LANGUAGES

Thomas T. Chisholm, Chairman

Gargiulo, Johnson, Moorman, Morrow, Neumann,

Scheel, Secondini, Zeyss

Foreign Languages Majors and Minors: Candidates for either the Bachelor of Arts or the Bachelor of Science degree may choose a major or minor in French, German, or Spanish. The requirement for a major, in terms of hours, is 24 quarter hours in courses numbered above 300. Two college years (24 hours) or its equivalent in high school and college courses is the prerequisite to beginning study at the level of the major or minor. The requirement for a minor is 12 hours above 300, with a minimum total of 28 hours.

Suggested Curriculum for Bachelor of Arts Degree with a Major in French, German, or Spanish

Freshman and Sophomore Years

	Hours
Courses listed in B.A. Core	
The first two years of major language*	24

Junior and Senior Years

Language to complete major**	12 to 24
Minor and electives	44 to 56

*Students who have had two years of a language in high school will take a placement test in order to determine the level at which they will begin their language study in the University.

**The phonetics course is required for French and Spanish majors.

Suggested Curriculum for Bachelor of Science Degree with a Major in French, German, or Spanish

Freshman and Sophomore Years

Courses listed in B.S. Core	
The first two years of major language*	24

Junior and Senior Years

Language to complete major**	12 to 24
Education 120, 313, 451I, 469, 481I	28
Psychology 319, 332	8

Fine arts 4
Electives ..... 30 to 42

*Students who have had two years of a language in high school will take a placement test in order to determine the level at which they will begin their language study in the University.
**The phonetics course is required for French and Spanish majors.

Related Majors: The major in foreign trade (see Economics, B.A.) includes a study of the Spanish language and of Latin-American literature and culture and automatically gives the student a second major in Spanish. Credit in French is accepted for Latin-American students who major in foreign trade.

Language Laboratory: Language courses on the first and second year levels will meet five hours per week: four hours regular class sessions and one hour in the laboratory.

Registration for Courses: It is understood that a student, whether studying a foreign language as a part of his core curriculum, as a requirement in a related major, or as a major or minor in itself, will begin the language in the University at the level of his achievement at the time of entrance (to be determined by a placement test). If he should be placed in a language course above the beginning level, he will not receive University hours of credit for the courses not studied in the University.

Credit Transferred from Foreign Schools: Students wishing to transfer language credit from institutions outside the United States may be required to undergo examination to determine how to equate such credit and to establish the level at which study might be resumed here.

Class Attendance: Because of the special nature of teaching and learning a foreign language, a maximum amount of "contact time" is essential. Foreign language students, therefore, are expected to attend all classes except those from which they are excused by reason of illness, administrative sanction, or the judgment of the instructor. The student is responsible for the homework assigned regardless of his reason for missing a class.

FRENCH (Fre)

Chisholm, Johnson, Morrow, Zeyss

101, 102, 103—**First Year French.** Four hours each.

201, 202, 203—**Second Year French.** Four hours each.
Prerequisite: 103, or the equivalent, and consent of the instructor.

305, 306, 307—**Introduction to French Literature.** Four hours each.
Prerequisite: 203, or the equivalent.

341—**Beginning Conversation French.** Four hours.
Prerequisite: 203, or 103 and consent of the instructor.

342—**Advanced Conversation and Phonetics.** Four hours.
Prerequisite: 203.

343—**Advanced Grammar and Composition.** Four hours.
Prerequisite: 203.

405, G405—**French Classicism.** Four hours.
Prerequisite: 307.

406, G406—**French Romanticism.** Four hours.
Prerequisite: 307.

407, G407—**French Realism and Naturalism.** Four hours.
Prerequisite: 307.

421, G421—**French Literature of the Twentieth Century.** Four hours.
Prerequisite: 307.

492, G492—**Advanced Readings in French.** Four hours.
Prerequisite: 307.
May be repeated for credit when topics vary.

GERMAN (Ger)

Chisholm, Neumann, Scheel, Zeyss

101, 102, 103—**First Year German.** Four hours each.

201, 202, 203—**Second Year German.** Four hours each.
Prerequisite: 103, or 123, or the equivalent, and consent of the instructor.

121, 122, 123—**First Year Scientific German.** Four hours each.
Prerequisite: None.
A beginning course in German for science majors.

221, 222, 223—**Second Year Scientific German.** Four hours each.
Prerequisite: 123, or 103, or the equivalent, and consent of the instructor.

305, 306, 307—**Introduction to German Literature.** Four hours each.
Prerequisite: 203 or the equivalent.

341, 342, 343—**Conversation and Composition.** Four hours each.
Prerequisite: 203.

405-G405—**German Classicism.** Four hours.
Prerequisite: 307.

406-G406—**German Romanticism.** Four hours.
Prerequisite: 307.

407-G407—**German Realism and Naturalism.** Four hours.
Prerequisite: 307.

421-G421—**Contemporary German Literature.** Four hours.
Prerequisite: 307.

492-G492—**Advanced Readings in German.** Four hours.
Prerequisite: 307.
May be repeated for credit when topics vary.

GREEK (Gre)

Moorman, Secondini

101, 102, 103—**First Year Greek.** Four hours each.

201, 202, 203—**Second Year Greek.** Four hours each.
Prerequisite: 103, or the equivalent, and consent of the instructor.

ITALIAN (Ita)

101, 102, 103—**First Year Italian.** Four hours each.

201, 202, 203—**Second Year Italian.** Four hours each.

Prerequisite: 103, or the equivalent and consent of the instructor.
Secondini

LATIN (Lat)

Moorman, Secondini

101, 102, 103—**First Year Latin.** Four hours each.

201, 202, 203—**Second Year Latin.** Four hours each.
Prerequisite: 103, or the equivalent, and consent of the instructor.

RUSSIAN (Rus)

Secondini

101, 102, 103—**First Year Russian.** Four hours each.

201, 202, 203—**Second Year Russian.** Four hours each.
Prerequisite: 103, or the equivalent, and consent of the instructor.

SPANISH (Spa)

Gargiulo, Morrow, Scheel, Zeyss

101, 102, 103—**First Year Spanish.** Four hours each.

201, 202, 203—**Second Year Spanish.** Four hours each.
Prerequisite: 103, or the equivalent, and consent of the instructor.

304—**Commercial Spanish.** Four hours.
Prerequisite: 203.
Designed especially for majors in foreign trade. Letter writing and business forms.

305—Survey of Spanish Literature up to 1700. Four hours.
Prerequisite: 203.

306—Survey of Spanish Literature from 1700 up to the Contemporary Period. Four hours.
Prerequisite: 203.

307—Survey of Latin American Literature. Four hours.
Prerequisite: 203.

341—Beginning Conversation. Four hours.
Prerequisite: 203.

342—Advanced Conversation and Phonetics. Four hours.
Prerequisite: 203.

343—Advanced Grammar and Composition. Four hours.
Prerequisite: 203.

405-G405—The Golden Age. Four hours.
Prerequisite: 307.

406-G406—Nineteenth Century Literature of Spain. Four hours.
Prerequisite: 307.

407-G407—The Generation of 98 and Contemporary Literature of Spain. Four hours.
Prerequisite: 307.

421-G421—Cervantes and the Renaissance. Four hours.
Prerequisite: 307.

492-G492—Advanced Readings in Spanish. Four hours.
Prerequisite: 307. May be repeated for credit when topics vary.

DEPARTMENT OF GEOGRAPHY (Ghy) AND GEOLOGY (Gly)

Arthell Kelley, Chairman

Geography: Frost, Holder, McKee

Geology: Welby, B. W. Brown, Bowen, Huff, DeVries

Geography:

Requirements for Major

A student majoring in geography may select one of several alternative plans. He may work toward either the B.A., the B.S. teaching, or the B.S. non-teaching degree. The student's choice of program should be determined by his plans for the future and in close conjunction with his adviser.

A. Curriculum—College Core

The student working toward either degree must include the appropriate core curriculum subjects for his degree. The student majoring in geography should elect Geography 103 among his core subjects.

B. Curriculum—Teaching Requirements

The student working toward the B.S. Teaching degree must include in his program the courses leading toward the Class A teaching certificate.

C. Curriculum—Departmental Requirements

1. General Requirements:

The student wishing to major in geography, regardless of his degree plan, must take 36 hours in the Department, of which 28 hours must be in geography courses numbered above 200. Required of all majors are Geography 103, 143, 200, 410, and 370. All majors should have 12 hours in introductory courses, 12 hours in regional courses, 12 hours in functional courses.

2. Students wishing to qualify for government service should have 45 hours in geography.

D. Curriculum—Minor and Electives

In addition to the core requirements, the certification requirements and the departmental requirements, the student majoring in geography must also complete the requirements for a minor, preferably in a related field. Courses not used to fulfill any of these requirements are free electives and may be taken in any department of the University.

Requirements for Minor

The student minoring in geography must take 28 hours in the department of which 20 hours must be in geography courses numbered above 200. Recommended for the minor are Geography 103 or 143, 410, and 370.

Courses of Instruction (Ghy)

103—**Principles of Global Geography.** Four hours.
An introductory course in world regional geography.

143—**Introductory Economic Geography.** Four hours.
A study of the leading commodities, minerals, and industries of the world in their regional settings.

200—**Cartography.** Four hours.
An introductory course in methods of map-making.

203—**Physical Geography.** Four hours.
A study of selected elements of physical geography: climate, soils, landforms, water, and vegetation.

301—**Cultural Geography.** Four hours.
A study of the human occupance of the earth emphasizing population distribution, cultural regions, and processes of man's modification of the earth.

231—**Geography of Mississippi.** Four hours.
A regional geography of Mississippi.

318—**Geography of South America.** Four hours.
A regional study of South America.

320—**Geography of the Caribbean Countries.** Four hours.
A regional study of Mexico, Central America, and the West Indies.

338—**Geography of Europe.** Four hours.
A regional study of Western, Southern, and Eastern Europe.

340—**Geography of Africa.** Four hours.
A regional study of Africa with emphasis on the Sub-Sahara regions.

341—**Geography of Australia and Pacific Islands.** Four hours.
Regional geography of Australia and the Pacific Islands.

370—**World Political Geography.** Four hours.
A study of geography and politics in a world divided.

376—**Conservation of Natural Resources.** Four hours.
A study of the problems of conservation of the natural resources of the United States.

410 or G410—**Geography of the United States and Canada.** Four hours.
A regional study of Anglo-American.

433—**Geography of Southwest Asia.** Four hours.
A regional geography of the Middle East.

437-G437—**Geography of USSR.** Four hours.
A regional survey of the physical, economic, and cultural geography of the U.S.S.R.

439-G439—**Geography of Asia.** Four hours.
A regional study, with emphasis on India, China, Japan, and Indonesia.

445-G445—**Industrial and Commercial Geography.** Four hours.
Includes a short survey of geographic principles governing secondary and tertiary production.

450-G450—**Physiography of North America.** Four hours.
A study of character of the physiographic provinces of North America.
Prerequisite: Geology 101 and 103 or consent of instructor.

460-G460—**Historical Geography.** Four hours.
A study of how geography has influenced exploration, settlement, political, and industrial development in America.

480-G480—**Climatology.** Four hours.
Analysis of climatic control and elements; climate conditions in each of the continents.

484-G484—**Urban Geography.** Four hours.
Nature, distribution, principal functions of urban settlements and supporting areas, with emphasis on the United States and local field study.

485-G485—**Field Geography.** Four hours.
A study of the techniques of reconnaissance and detailed field work, including classification of natural and cultural features and preparation of reports and maps based on field data. Instruction will cover the use of the compass and hand level, the plane table, and aerial photographs in field mapping.

Geology:

A student majoring in Geology may elect either the B.A. or B.S. degree program. He should satisfy his core requirements for either degree during his Freshman and Sophomore years and at the same time complete one year of chemistry, mathematics through analytical geometry, and Geology 101, 103, and 260.

While the student may elect a minor from any of the major fields of study in the University, the Department strongly recommends that the minor be chosen from mathematics, physics, chemistry, or biology. Students planning a career in geophysics should elect physics as a minor and complete mathematics through differential equations; those students who plan to specialize in mineralogy, petrology, or geochemistry are urged to choose chemistry as a minor; those planning to specialize in paleontology or palynology should elect biology as a minor.

GEOLOGY MAJOR

The following courses are required for the major:	Hours
Chemistry 101, 102, 103 (or 121, 122, 123)	15
Mathematics through analytical geometry	12-16
Physics 101, 102, 103 (or 201, 202, 203)	15
Geology 101, 103, 260, 302, 303, 310, 314, 330, 401, or 420, plus 8 quarter hours chosen from other departmental offerings	44
Geology 480 (Summer Field Camp)	9

At the discretion of the Department nine specified quarter hours from geology, mathematics, physics, chemistry, or biology may be substituted for Geology 480. Normally this substitution is permitted only for women students and physically handicapped students.

The Department has a cooperative arrangement with the Gulf Coast Research Laboratory. Certain courses in marine sedimentation may be taken at the Laboratory; these are generally taught in the summer.

GEOLOGY MINOR

The minor should include the following geology courses: 101, 103, 260, 302, 303, and an additional 8 quarter hours chosen from geology courses numbered above 300 for a total of 28 quarter hours.

PROGRAM OF STUDY

Freshman and Sophomore Years

Complete core requirements which should include a year of chemistry and mathematics through Math 275	Hours
Geology 101, 103, 260	12

Junior Year

Physics 101, 102, 103 (or 201, 202, 203)	12
Geology 310, 314, 330, and 401	16
Minor and electives	20
Summer field camp	9
Total	57

Senior Year

Geology 302, 303, 420	12
Geology electives	8
Minor and electives	28
Total	48

SECONDARY EDUCATION

The Department of Geology offers a major designed for the student who seeks certification in those states which teach earth science in their secondary schools. The geology courses in the curriculum are 101, 103, 260, 302, 303, 310, or 314, 401, or 420, and two 4-hour courses chosen from the other departmental offerings. The student should also have a year of chemistry or physics, mathematics through trigonometry, and a year of astronomy. It is expected that the student choosing this major will not continue on to graduate school in the field of geology.

COURSE DESCRIPTIONS

101—**Physical Geology.** Four hours.

Three lectures and two hours laboratory.

An introduction to earth science, including the physical processes responsible for shaping the major features of the landscape; laboratory study of common minerals and rocks and various geologic processes. A half-day field trip may be required.

103—**Historical Geology.** Four hours.

Three lectures and two hours laboratory; field trip required.

Prerequisite: Geology 101.

A study of earth history as revealed in the character and fossil content of rocks.

105—**Introduction to the Geology of the Southeastern States.** Four hours.

Two hours lecture and four hours laboratory; field trips.

Prerequisites: Geology 101, 103.

An introduction to the geology of the southeastern states; field trips to study stratigraphy of eastern Mississippi and western Alabama.

260—**Introduction to Minerals and Rocks.** Four hours.

Two hours lecture and four hours laboratory.

Prerequisite: Geology 101.

Sight recognition of the more common minerals with intensive study of the diagnostic rock-forming minerals; elementary crystallography; introduction to rocks.

302—**Invertebrate Paleontology.** Four hours.
Two lectures and four hours laboratory.
Prerequisite: Geology 103 and permission of instructor.
Invertebrate fossils from the Protozoa through Mollusca with attention to taxonomy, morphological features, geologic distribution, and paleoecology of the important ordinal groups.

303—**Invertebrate Paleontology.** Four hours.
Two lectures and four hours laboratory.
Prerequisite: Geology 302.
Invertebrate fossils from the Annelida through the Conodontophoridia.

310—**Mineralogy.** Four hours.
Two hours lecture and four hours laboratory.
Prerequisites: Geology 260 and either Chemistry 103 or Chemistry 123. The chemistry may be taken concurrently.
Physical, descriptive, chemical, and determinative mineralogy.

311—**Mineralogy.** Four hours.
Three hours lecture and two hours laboratory.
Prerequisites: Mineralogy 310 and Math 103.
Introduction to optical mineralogy.

314—**Petrology.** Four hours.
Three hours lecture and two hours laboratory.
Prerequisite: Geology 260; Geology 310 recommended.
A study of the origin, description, and classification of igneous, sedimentary, and metamorphic rocks.

330—**Structural Geology.** Four hours.
Three hours lecture and two hours laboratory.
Prerequisites: Geology 103 and Mathematics 103.
Principles of rock deformation.

401—**Principles of Stratigraphy.** Four hours.
Four hours lecture.
Prerequisites: Geology 103, 260, 330.

402-G402—**Stratigraphy of North America I.** Four hours.
Prerequisite: Geology 401.
Stratigraphy of the Precambrian and Paleozoic eras.

403-G403—**Stratigraphy of North America II.** Four hours.
Prerequisite: Geology 401.
Stratigraphy of the Mesozoic and Cenozoic eras.

415-415G—**Principles of Geology for High School Science Teachers.**
Three hours lecture and four hours laboratory.
Prerequisite: B.S. Degree in science or equivalent.
Advanced level course in principles of physical and historical geology and their applications with emphasis on current developments in geology.
This course is offered to teachers in the NSF Summer Institute and cannot be applied toward a major or minor in geology.

420-G420—**Sedimentology.** Four hours.
Two lectures and four hours laboratory.
Prerequisites: Geology 101, 103, and 260.
Study of sedimentary materials, their formation, transportation, deposition, and lithification; field trips.

422-G422—**Petroleum Geology.** Four hours.
Two hours lecture and four hours laboratory.
Prerequisites: Geology 260 and 330 and permission of instructor.
The origin, occurrence, and accumulation of oil and natural gas.

445-G445—**Economic Geology.** Four hours.
Two hours lecture and two hours laboratory.
Prerequisites: Geology 310, 314, and 330.
Principles of ore deposits; introduction to fuels and non-metallic mineral deposits.

452-G452—**Physical Marine Geology.** 1½ hours per week, but not to exceed 6 weeks or 9 quarter hours. Gulf Coast Research Laboratory.

Prerequisite: Geology 103, 310, and 420.

A general introduction to the physical processes at work on the shores of Mississippi Sound with emphasis on the erosional and depositional effects of waves and currents at different stages of tide.

453-G453—**Chemical Marine Geology.** 1½ hours per week, but not to exceed 6 weeks or 9 quarter hours. Gulf Coast Research Laboratory.

Prerequisites: Geology 103, 310, 420, and Chemistry 201 and 203.

Supervised research in the chemistry of the waters and sediments of Mississippi Sound.

454-G454—**Problems in Marine Sedimentation.** 1½ hours per week, but not to exceed 6 weeks or 9 quarter hours. Gulf Coast Research Laboratory.

Prerequisite: Permission of instructor.

Supervised study of selected aspects of marine sedimentation along the Gulf Coast.

461-G461—**Petrography.** Four hours.

Two hours lecture and four hours laboratory.

Prerequisites: Geology 311 and 314.

Systematic study of rocks by means of the polarizing microscope.

468-G468—**Micropaleontology.** Four hours.

One hour lecture and six hours laboratory.

Prerequisites: Geology 302 and 303.

Taxonomy, morphology, and stratigraphic use of Foraminifera.

469-G469—**Micropaleontology.** Four hours.

One hour lecture and six hours laboratory.

Prerequisites: Geology 302 and 303.

Taxonomy, morphology, and stratigraphic use of Ostracoda.

480—**Geology Summer Field Camp.** Nine hours.

1½ hours credit per week in the field.
Prerequisites: Geology 101, 103, 260, and 330.
Geologic field methods, collection of field data, and compilation of geological reports.

DEPARTMENT OF HISTORY

J. Treadwell Davis, Chairman

Brent, DeRosier, Fike, Gonzales, R. Harper, T. Harper, Jackson, McCarty, Robinson, Scarborough, Sessions, Vincent

The Department of History participates in programs leading to the degrees of the B.A., the B.S., the M.A., the M.S., and the Ph.D. For the Masters and Ph.D. degrees please consult the graduate bulletin.

Major Requirements

A baccalaureate student majoring in history may elect one of three degree plans: the B.A.; the B.S. Non-Teaching; or the B.S. Teaching degree with a license in social studies for secondary schools. His choice of degree program should be determined by his plans for the future and in close conjunction with his adviser.

A. Curriculum—Basic College Core

The student working toward any degree must include in his curriculum the required core subjects.

B. Curriculum—Professional Requirements

The History major working toward the B.S. Teaching degree with a secondary school license in social studies must include in his program (1) the education courses required for the Class A teaching certificate (Education will normally be the minor for a History major seeking a teacher's license); and (2) the following social studies courses, either as core or as electives: Economics 200 (or 251 and 252), Geography 370, Political Science 101 (required as core), History 367, and Sociology 103 or 201.

C. Curriculum—Departmental Requirements

The student majoring in History, regardless of his degree plan, must take History 101, 102, 251, and 252. History 101 and 102 will not count toward the 36 hours required for a major or toward the 28 hours required for a minor.

Minor Requirements

The student minoring in History must take 28 hours in History courses numbered above 102. History 101 and 102 are prerequisites for advanced courses in European History; History 251 and 252 are prerequisites for advanced courses in U.S. History.

Requirements to teach social studies as a second field

Students wishing to teach social studies in secondary schools as a second field (most high schools in Mississippi desire teachers certified to teach in more than one field) should take the following courses, either as core or as electives:

History 101, 102, 251, 252, and 367	20
Secondary Education 451L	4
Political Science 101 (core requirement)	4
Economics 200 (or 251 and 252)	4 or 8
Sociology 103 or 201	4
Geography 370	4
Social studies electives	8 or 4

This list is designed to cover the principal social studies fields a high school teacher might be called upon to teach. It does not meet requirements for a minor, however, since a minor requires 28 hours in the same subject.

HISTORY COURSES (HIS)

Introductory Notes

Students should not enroll in advanced history courses without having taken the appropriate European or American survey courses: History 101 and 102, or History 251 and 252.

Three hundred level courses should always precede four hundred level courses. In no case should a student take a three hundred level course after having taken a four hundred level course in that specific field.

Economics 310 and Religion 205, 401, and 402 may be elected as History if approved by the student's adviser.

COURSES

101—**World Civilization to 1648 A.D.** Four hours.

102—**World Civilization Since 1648 A.D.** Four hours.

207—**Early English History.** Four hours.

209—**Modern English History.** Four hours.

251—**U.S. to 1865.** Four hours.

252—**U.S. Since 1865.** Four hours.

261—**Colonial Latin American.** Four hours.

263—**Modern Latin America.** Four hours.

301—**Greek Culture.** Four hours.

303—**Roman Culture.** Four hours.

305—**The Early Middle Ages.** Four hours.
306—**The High Middle Ages.** Four hours.
307—**Renaissance.** Four hours.
309—**Reformation.** Four hours.
311—**Europe 1648-1789.** Four hours.
340—**British Commonwealth.** Four hours.
346—**Far East Since 1853.** Four hours.
348—**Africa Since 1800.** Four hours.
351—**Colonial America, 1607-1754.** Four hours.
353—**Revolutionary Era, 1754-1789.** Four hours.
355—**Age of Hamilton, Jefferson and Jackson, 1789-1840.** Four hours.
357—**The Sectional Controversy and the Civil War, 1840-1865.** Four hours.
358—**Reconstruction and the Emergence of Modern America, 1865-1898.** Four hours.
359—**The Progressive Era, World War I, Prosperity and Depression, 1898-1933.** Four hours.
361—**The New Deal, World War II and Post War America, 1933-present.** Four hours.
367—**Mississippi History.** Four hours.
401-G401—**Russia to 1917.** Four hours.
403-G403—**Russia Since 1917.** Four hours.
405-G405—**The Cold War Issues.** Four hours.
411-G411—**English Constitutional History.** Four hours.
413-G413—**Western Intellectual History.** Four hours.
421-G421—**Athens, Fifth and Fourth Centuries B.C.** Four hours.
423-G423—**Rome, First Century B.C. and First Century A.D.** Four hours.
425-G425—**Europe in the Twelfth and Thirteenth Centuries.** Four hours.
430-G430—**Modern Germany.** Four hours.
432-G432—**French Revolution and Napoleon.** First hours.
433-G433—**Europe, 1815-1870.** Four hours.
434-G434—**Europe, 1870-1918.** Four hours.
435-G435—**Europe, 1918-1939.** Four hours.
436-G436—**Europe Since 1939.** Four hours.
441-G441—**Nineteenth Century Britain.** Four hours.
442-G442—**Twentieth Century Britain.** Four hours.
444-G444—**Expansion of Europe, 1450-1815.** Four hours.
446-G446—**Expansion of Europe, 1815-present.** Four hours.
451-G451—**U.S. Intellectual and Social History to 1865.** Four hours.
453-G453—**U.S. Intellectual and Social History Since 1865.** Four hours.
455-G455—**The Old South.** Four hours.
457-G457—**The New South.** Four hours.
465-G465—**The Caribbean.** Four hours.
467-G467—**Argentina, Brazil, and Chile.** Four hours.
469-G469—**United States Constitutional History to 1861.** Four hours.
470-G470—**United States Constitutional History Since 1861.** Four hours.
475-G475—**United States Foreign Relations to 1898.** Four hours.
477-G477—**United States Foreign Relations Since 1898.** Four hours.
480-G480—**U.S. Military History.** Four hours.
484-G484—**American Political Leaders.** Four hours.
487-G487—**The Frontier in America to 1848.** Four hours.
489-G489—**The Frontier in America Since 1848.** Four hours.

DEPARTMENT OF MATHEMATICS (Mat.)

Ed Kelly, Jr., Chairman
Crocker,* Felder, Hare, Martin, Munn, Nicholson, Russum,
Gaston Smith, George Smith, Van Hook, Webster

The Department of Mathematics offers a major and minor for students who are candidates for the Bachelor of Arts or the Bachelor of Science, the Master of Arts or the Master of Science degrees. Also, graduate study beyond the Master's degree is available, anticipating the granting of the Ph.D. degree in the near future. For information concerning the Master's degrees and graduate study beyond the Master's degree, consult the graduate bulletin. The courses required for a baccalaureate major are listed below by sets in order to facilitate the proper selection of course sequences.

(a) Mathematics 276, 277, 278, 279
(b) Mathematics 305, 326, 341
(c) Mathematics 401, 406, 407, 411, 415, 416, 418, 420, 423, 424, 425 426, 431, 435, 441, 442, 443, 461, 462, 471, 472, 473, 484, 485

Requirements for Majors:	Hrs.
(1) All courses in set (a)	16
(2) Two courses from set (b)	8
(3) Five courses from set (c)	20
Total	44

Recommendations for Minors:	Hrs.
(1) All courses in set (a)	16
(2) Three courses from sets (b) or (c)	12
Total	28

The curriculum of the Department of Mathematics is designed to meet the following objectives

(i) prepare students for industrial or commercial employment,
(ii) prepare students to teach secondary school mathematics,
(iii) prepare students for graduate study in mathematics.

The following courses are strongly recommended for:

(1) Prospective Elementary School Teachers: 100, 318, 320, 321, 338, 341 If other courses are desired, 101, 102, 103

(2) Prospective Teachers of Secondary School Mathematics: The State certification requirements in mathematics for a Class A certificate are:

24 semester or 36 quarter hours to include the following:

(i) 15 semester or 24 quarter hours to include algebra, trigonometry, analytical geometry and calculus,

(ii) 9 semester or 12 quarter hours to include at least two of the following areas: abstract algebra, modern geometry, foundations of mathematics; probability and statistics.

Courses recommended for (ii) are: 341, 401, 423, 424, 407, 420. If other mathematics courses are desired, the student should take courses that will prepare him to do graduate work in mathematics.

(3) Mathematics Majors who plan graduate study: 423, 424, 426, 431, 441, 442, 443

(4) Mathematics Majors preparing for industrial employment: 400, 411, 415, 406, 416, 418, 420, 425, 435, 441, 442, 443 and at least a minor in Physics.

*On leave, 1965-66.

The following program is recommended for the first two years of study toward a baccalaureate degree for mathematics majors:

FRESHMAN YEAR:

Fall Quarter		Winter Quarter		Spring Quarter	
ENG	101	ENG	102	ENG	103
MAT	101	MAT	102	MAT	171
HIS	101	MAT	103	P.S.	101
P.A.	101	HIS	102	MUS 165, ART 120,	
M.S.	101	M.S.	102	or HTH	179
P.E.	—	P.E.	—	M.S.	103
				P.E.	—

SOPHOMORE YEAR:

ENG	201	ENG	332	PHIL	210
MAT	276	MAT	277	MAT	278
Lab. Science		Lab. Science		Lab. Science	
GHY	103	PSY	201	ECO 200 or 251	
M.S.	201	M.S.	201	M.S.	203
P.E.	—	P.E.	—	P.E.	—

MAT 279 and MAT 305 or MAT 326 or MAT 341 should be taken during the fall quarter of the junior year. The candidate for a B.S. degree should take a second year of laboratory science during the junior year.

Students will be expected to adhere to the indicated prerequisites for each course.

MATHEMATICS COURSES (MAT)

100—**Basic Mathematics.** Four hours.
Prerequisite: One unit of high school algebra.
A study of the fundamental concepts of logic, the integers, rational numbers, laws of algebra and discrete statistics.

101-102—**College Algebra I, II.** Four hours each.
Prerequisite: Two units of high school algebra or MAT 100, and one unit of high school geometry.

103—**Plane Trigonometry.** Four hours.
Prerequisite: MAT 100 or its equivalent.

112—**Mathematics for Business and Social Sciences.** Four hours.
Prerequisite: Two units of high school algebra or MAT 100.

171—**Analytic Geometry.**
Prerequisite: MAT 103.

276, 277, 278, 279—**Calculus I, II, III, IV.** Four hours each.
Prerequisite: MAT 171 for 276, 276 for 277, 277 for 278, 278 for 279.

305—**Differential Equations I.** Four hours.
Prerequisite: MAT 279. MAT 305 may be taken concurrently with MAT 279.

318-G318—**Basic Concepts of Mathematics for Elementary School Teachers.** Four hours.
Prerequisite: MAT 100 or its equivalent. (Open only to elementary education majors; graduate credit only toward master's degree in education earned in an in-service course.)

320—**Elementary Statistics.** Four hours.
Prerequisite: MAT 102 or MAT 112.
A study of discrete statistics with emphasis on measurements of central tendency, representation of distribution and linear correlation.

321-G321—**Foundations of Mathematics for Junior High School Teachers.** Four hours.
Prerequisite: MAT 100 or its equivalent. (Open only to elementary education majors; graduate credit only toward master's degree in education earned in an in-service course.)

326—**Linear Algebra I.** Four hours.
Prerequisite: MAT 279. MAT 326 may be taken concurrently with MAT 279.

338—**History of Mathematics.** Four hours.
Prerequisite: MAT 276.

341—**Foundations of Mathematics.** Four hours.
Prerequisite: MAT 277.
A study of set theory, logic and arithmetic of cardinal and ordinal numbers.

400—**Computer Programing.** Four hours.
Prerequisite: MAT 320.
Theory and practice in programing and operation of an electronic, digital, stored-program computer.

401-G401—**Geometry.** Four hours.
Prerequisite: MAT 341.

423-G423—**Modern Algebra I.** Four hours.
Prerequisite: MAT 341.
A development of the integers; rational, real and complex number systems with emphasis on their algebraic structure.

424-G424—**Modern Algebra II.** Four hours.
Prerequisite: MAT 423.
A study of groups rings, vector spaces and algebras.

426-G426—**Linear Algebra II.** Four hours.
Prerequisite: MAT 326.

406-G406—**Numerical Analysis I.** Four hours.
Prerequisite: MAT 326 and MAT 320.

407-G407—**Number Theory.** Four hours.
Prerequisite: MAT 341.

411-G411—**Vector Analysis.** Four hours.
Prerequisite: MAT 279.

415-G415—**Differential Equations II.** Four hours.
Prerequisite: MAT 305 and MAT 326.

416-G416—**Numerical Analysis II.** Four hours.
Prerequisite: MAT 406 and MAT 305. MAT 416 may be taken concurrently with MAT 305.

418-G418—**Linear Programing.** Four hours.
Prerequisite: MAT 326.

420-G420—**Statistics and Probability.** Four hours.
Prerequisite: MAT 279 and MAT 341.

425-G425—**Fourier Series.** Four hours.
Prerequisite: MAT 326 and MAT 305.

431-G431—**Theory of Functions of a Complex Variable I.** Four hours.
Prerequisite: MAT 441.

435-G435—**Laplace Transform.** Four hours.
Prerequisite: MAT 305.

441-G441, 442-G442, 443-G443—**Advanced Calculus I, II, III.** Four hours each
Prerequisite: MAT 279 and MAT 341.

461-G461, 462-G462—**Projective Geometry I, II.** Four hours each.
Prerequisite: MAT 326 and MAT 401.

471-G471—**General Topology.** Four hours.
Prerequisite: MAT 279 and MAT 341.

472-G472—**Algebraic Topology.** Four hours.
Prerequisite: MAT 424 and MAT 471.

473-G473—**Metric Spaces.** Four hours.
Prerequisite: MAT 471.

484-G484—**Mechanics I, Statics.** Four hours.
Prerequisite: MAT 305 and Physics 103 or 203.

485-G485—**Mechanics II, Dynamics.** Four hours.
Prerequisite: MAT 484.

DEPARTMENT OF MILITARY SCIENCE (M.S.)

Lt. Colonel John H. Dale, Sr. — Chairman

Major Anthony C. Rouchon, Jr.
Major Eugene J. Conner
Captain Barney R. Meaders, III
Captain Clinton L. Williams, Jr.
Captain John P. Massey
Captain Robert S. Snead
Captain Benny B. Rogers

Sgt. Major Rollins H. Nash
MSgt. Denham S. Roberson
SFC Harold J. Douglas
SFC Douglas C. Windham
SSgt. Herbert C. Weeks
SSgt. Stanley D. Black
SSgt. Donald S. Wiedel
SSgt. Jonathan L. Bell
Mrs. Grace G. Magee

AUTHORIZATION

The University of Southern Mississippi was authorized by the Department of the Army to activate on April 3, 1950, a volunteer unit of the senior division Reserve Officers Training Corps. The unit was organized June 14, 1950, under the authority of the Act of Congress, June 3, 1916, and subsequent amendments thereto.

MISSION

The primary mission of the ROTC program is to produce qualified officers for the United States Army and Reserve Components. A secondary mission is to provide citizenship and leadership training for all Freshman and Sophomore male students enrolled in the Basic Course.

Enrollment Requirements

Transfer Student:

Male students who transfer a minimum of 32 hours college credit to this institution from an institution not having ROTC are exempt from the ROTC requirements. Male students who complete 2 years of academic work at a Junior College, attend the basic 6 weeks Summer Camp, and meet the requirements listed below for juniors may enroll in the Advanced Course.

Freshmen:

All male freshmen students who are citizens of the United States, physically qualified as prescribed by the Department of the Army, over 14 years of age and less than 24 years of age, and who have had less than six months active duty with any of the armed services are required to enroll and complete the basic course of Military Science. (1st and 2nd year).

Sophomores:

All male sophomore students will enroll in 2nd Year Military Science provided successful completion of any of the following has been accomplished:

1. Military Science (1st Year), NS 1 or AS 1 of any Senior Division ROTC.
2. MST 1 and 2 at any Military Schools Division ROTC.
3. MT 1, 2 and 3 of a Junior Division ROTC.
4. Six months active service or active duty for training in the United States Army, Navy, Air Force or Coast Guard.

Juniors:

Any male student who is regularly enrolled as a Junior in the University, is physically qualified, attains an acceptable score on the Department of Army RQ Test, has maintained a 2.25 academic average during his first two years

of academic work, completed the required Basic College English courses with a minimum grade of "C," will not reach the age of 28 prior to receiving commission, will successfully complete College Algebra and Trigonometry prior to receiving degree, is accepted by the Professor of Military Science, and meets any of the following requirements, is eligible to apply for entrance into the Advanced Course.

1. Has successfully completed the basic course (1st and 2nd Year, Military Science) at any Senior Division ROTC (Army, Navy or Air Force).

2. Successfully completed MST 1, 2, 3 and 4 of a Military Schools Division ROTC.

3. Has satisfactorily completed more than 12 months active service or active duty for training in the Army, Navy, Air Force, Marine Corps or Coast Guard.

4. Has satisfactorily completed 6 months or more active service or active duty training and 2d Year Military Science, or MST 1, 2 and 3 or MT 1, 2 and 3.

5. Successfully completed two years at Service Academies (Army, Navy, Air Force or Coast Guard).

6. Attend the 6 weeks basic camp at the completion of Junior College work.

7. The ROTC Qualifying Examination (RQ) will be administered one month prior to the end of each quarter and the first day of each registration period, in the ROTC building. Appointments by interested students should be made in advance in the ROTC office. Sophomore military students will be examined during the second week of the spring quarter, in order to qualify for the next year as Advanced Cadets in the junior class. Announcements will be made in the student newspaper of scheduled examination hours for interested students other than sophomore military students.

Senior:

Any male student who is regularly enrolled as a senior, and will not reach the age of 28 before he is scheduled to complete ROTC and is acceptable by the PMS may enroll in 4th Year Military Science providing he meets any of the following requirements:

1. Has successfully completed 3rd Year Military Science, NS 3 or AS 3 at a Senior Division ROTC.

2. Has completed MST 1, 2, 3, 4 and 5 at a Military Schools Division ROTC.

3. Has completed three years at one of the Service Academies (Army, Navy, Air Force or Coast Guard).

All students who are accepted in Advanced ROTC (3rd and 4th year Military Science) are required to sign an agreement to complete the course of instruction offered unless released by the Department of the Army. Accepted students will be required to enlist in the United States Army Reserve Program while enrolled in Advanced ROTC.

Training Courses and Allowances

The military science program of training covers four academic years and is divided into two courses.

The Basic Course: In order to fulfill the ROTC requirement, both the Freshman and Sophomore ROTC courses must be successfully completed. **Once a Cadet is enrolled in the Basic Course, beginning with the quarter he enters the university he must continue with the program in successive quarters and complete the requirement within six quarters** (excluding Summer Quarters). Only the Dean of the Basic College may make exceptions to the foregoing. No credit will be allowed for Basic ROTC unless the entire Basic Course (including academic course requirements) is completed. A uniform of the type worn by the United States Army will be issued to each Basic Cadet.

Freshmen: This course consists of three hours of instruction weekly, one hour of classroom instruction and two hours of leadership laboratory (drill). In

addition, each Freshman must complete a four-hour college course as authorized by the PMS, during his first year of ROTC.

Sophomores: The second year of ROTC consists of four hours of weekly instruction, two hours of classroom instruction and two hours of leadership laboratory (drill).

The Advanced Course: The advanced course consists of five hours of instruction weekly, composed of three hours of classroom instruction and two hours of leadership laboratory (drill), during the 3rd and 4th Year of Military Science. The advanced course student is also required to complete one four hour course during each of the junior and senior years in general areas of Science Comprehension, General Psychology, Effective Communications, Political Institutions or Political Development. The advanced course student is required to complete a six-week summer camp, which is held at the end of his junior year. No credit will be allowed for advanced ROTC unless the entire course is completed. Students taking the advanced course of instruction are paid by the Federal Government at a rate fixed by the Secretary of Defense. The present rate is $40.00 per month.

Normally there are about 105 days between the end of the Spring Quarter and the beginning of the Fall Quarter. ROTC students who have completed the 3rd year Military Science will be required to spend 42 days in Summer Camp. They will be paid approximately $1.33 per day for the remaining 63 days of their summer vacation. This amount (Approximately $84.00) will be paid when students return to school in the fall.

Summer Camp

The six week summer camp is normally attended by students upon completion of the 3rd Year Military Science. Students are paid six cents per mile for the distance from the institution to the place of camp and return. While at camp each student will receive food, uniforms, medical attention, and pay at the rate prescribed for Cadets at the United States Military Academy (currently $120.60 per month) from the government.

Students attending the six weeks basic summer camp will be paid six cents per mile travel expense and $78.00 per month.

At camp the students meet young men from many of the best institutions in the United States, thus broadening their contacts and gaining opportunity to make friendships that may be of great value in later life. In addition to the many physical, moral and mental features from the healthful camp life, there are sufficient recreational features provided to make the stay thoroughly enjoyable.

Commission in the Army of the United States

Students successfully completing the advanced course and the summer camp are tendered commissions as reserve officers in the Army of the United States.

There are certain stipulations whereby a student who completes the 3rd Year Military Science may be designated a "distinguished Military Student." A student so designated who maintains such standards until he graduates will be designated a "Distinguished Military Graduate" and will be eligible for consideration for appointment in the Regular Army.

Awards

Each year the outstanding ROTC cadets in each class are selected on the basis of leadership, scholarship, and military aptitude. These cadets so honored are awarded medals and their names are engraved on appropriate plaques permanently displayed in the Department of Military Science. These plaques and medals are donated by local civic and veteran organizations. Additional awards for academic and leadership achievements are presented by local business firms, individuals, campus military societies, active and reserve components of the U. S. Army, and the Department of Military Science.

Military Service Organizations

ROTC cadets have the opportunity to participate in several special organizations within the Corps of Cadets. These include the ROTC Band, Company F6 of the Pershing Rifles (Drill Team), the ROTC Rifle Team, Scabbard and Blade (Honorary Military Society) and the Ranger Group.

ROTC Flight Training

Eligibility requirements: At the time of enrollment in the Army Flight Training Program, students must be either enrolled in MS IV (Fourth year of Senior Division ROTC), or have successfully completed MS IV but not have completed the academic requirements for graduation or commissioning. A student must have a sufficiently high academic standing to be recommended by his dean and PMS. Flight Training Applicants must meet Class I standards of medical fitness for flying.

Curriculum

101, 102, 103—**1st Year Military Science.** One hour each.

Organization of the Army and ROTC, Individual Weapons and Marksmanship, United States Army and National Security and Leadership Laboratory.

201, 202, 203—**2nd Year Military Science.** One hour each.

Map and Aerial Photograph Reading, Basic Military Tactics. American Military History, and Leadership Laboratory.

301, 302, 303—**3rd Year Military Science.** Three hours each.

Advanced Military Tactics, Communications, Branches of the Army, Principles of Leadership, Military Teaching Methods and Leadership Laboratory.*

401, 402, 403—**4th Year Military Science.** Three hours each.

Logistics, Operations, Military Administration and Personnel Management, Service Orientation and Leadership Laboratory.*

*Each advanced ROTC student is required to complete one four-quarter hour course in each of the junior and senior years. The courses will be in the following general areas of science:

1. Science Comprehension, 2. General Psychology, 3. Effective Communication, 4. Political Institutions, and 5. Political Development.

DEPARTMENT OF PHYSICS AND ASTRONOMY

H. C. Dudley, Chairman
Bordoloi, St. Clair

The primary objectives of the Physics Department are to provide students with sufficient basic information and technical skills in the various areas of physics so that they may be qualified to:

(a) Serve as teachers in secondary schools. A physics major for this group will include Phys. 101, 102, 103 or Phys. 201, 202, 203; Phys. 371, 381, 481, plus 9 hours of any other physics course having laboratory. (Total 36 hours.)

(b) Serve as junior physicists in government or industry. Physics majors for this group will include Physics 101, 102, 103 or Physics 201, 202, 203; Physics 371, 381, 481 plus 24 hours of any other physics courses having laboratory. A minor in mathematics is required. Two years of German plus English 332 is recommended.

(c) Pursue professional work and graduate study in Physics. It is the intent of the Physics Department to meet the recommendations of the *American Institute of Physics—National Science Foundation Committee on Curriculum for Undergraduate Physics Majors.* Forty-eight hours of physics cannot meet this requirement. For that reason any student planning to do graduate work in physics should consult the department about additional undergraduate credits; 60 hours of undergraduate physics preparation are required.

NOTE: Astronomy 301, 302, 303 do not fulfill the Physics courses which may be elected in the above programs.

PHYSICS COURSES (Phy.)

101, 102, 103—**General Physics.** Four hours each course.

Three lecture periods and one three-hour laboratory period per week.

Prerequisites: MAT 102. Corequisite for Physics 101 and prerequisite for Physics 102.

A traditional course in general college physics intended for liberal arts and pre-medical students.

Mechanics and Hydrodynamics; Electricity and Magnetism; Light, Heat and Sound. May not be taken by any one who has completed calculus except by permission of the chairman.

201, 202, 203—**General Physics with Calculus.** Four hours each course.

Three lecture periods and one three-hour laboratory period per week.

Corequisite: Calculus.

Mechanics and Hydrodynamics; Electricity and Magnetism; Light, Heat and Sound.

A more rigorous course in General Physics recommended but not required (in preference to Physics 101) for Physics majors. This course is required of Engineering students.

320—**Electrical Circuit Theory.** Four hours.

Three lecture periods and one three-hour laboratory period per week.

Prerequisite: PHY 103 or 203.

AC and DC Circuit Theory with some applications in electrical measurements.

327-328—**Electronics.** Four hours each course.

Three lecture periods and one three-hour laboratory period per week.

Prerequisite: PHY 103 or 203.

Fundamentals of vacuum and semiconductor devices with applications to scientific instrumentation.

331-332—**Thermodynamics.** Four hours each course.

Three lecture periods and one three-hour laboratory period per week.

Prerequisites: PHY 103 or 203 and Calculus.

Temperature, Thermodynamic Systems, Laws of Thermodynamics, Reversi-

bility and Irreversibility, Carnot Cycle, Entropy and a brief introduction to the physics of very low temperatures.

341—**Geometrical Optics.** Four hours.

Three lecture periods and one three-hour laboratory period per week.

Prerequisites: PHY 103 or 203 and Calculus.

Rays, refractive and reflective surfaces, lens design, stops and optical instruments.

Fundamentals of wave motion, introduction to Fourier Series, hearing and applications to architectural acoustics.

371—**Atomic Physics.** Four hours.

Prerequisites: PHY 103 or 203 and Calculus.

Survey of atomic particles, electromagnetic radiation and X-Rays, the hydrogen atom, theory of optical spectra and electron distributions within the atom.

381—**Nuclear Physics.** Four hours.

Three lecture periods and one three-hour laboratory period per week.

Prerequisite: PHY 371.

Natural radioactivity, fundamental particles, nuclear fission, radioactive production of isotopes and new elements.

392—**Physics Special Problems I, II, III.** 1 hour per quarter.

A course limited to junior and senior physics majors, to work out in the laboratory special problems of interest to the student. A formal written report will be required, showing extensive library research, and a completed piece of functioning apparatus must be constructed. Permission of the chairman.

421-422—**Electricity and Magnetics.** Four hours each course.

Three lecture periods and one three-hour laboratory period per week.
Prerequisites: PHY 103 or 203, MAT 405 and MAT 411, PHY 320.
Vector Analysis, electrostatics, magnetostatics and electromagnetic fields.

441-442—**Physical Optics.** Four hours each course.

Prerequisite: PHY 341. Corequisite: MAT 405.
Huygen's Principle, interference, diffraction, polarization and electromagnetic theory of light.

443-G443—**Sound and Ultrasound.** 4 hours.

Three lecture periods and one three-hour laboratory period per week.
Prerequisites: PHY 103 or PHY 203, PHY 481 or PHY 332.
A study of sound, and ultra sound, fundamentals of wave motion in a finite medium. Fundamentals of hearing, acoustics, and high intensity waves.

444-G444—**Fundamentals of Solid State Physics.** 4 hours.

Three hours lecture and one three-hour laboratory period per week.

Prerequisite: PHY 328.

Study of the solid as an electromagnetic wave medium, exitation levels, and the one electron theory.

471-G471, 472-G472, 473-G473—**Theoretical Physics.** 3 hours each course.

Three hours lecture.

Prerequisite: Consent of Instructor, PHY 371.

Selected topics of general physics from an advanced point of view.

481-G481—**Nuclear Physics.** Four hours.

Three hours lecture and one three-hour laboratory period per week.

Prerequisites: PHY 381 and MAT 405-G405.

Nuclear binding forces, chain reaction, criticality, the non-steady state reactor, radiation shielding.

485-G485, 486-G486—**History and Literature of Physics.** 3 hours each course.

Prerequisite: PHY 103 or 203.

A survey of the literature of Physics from the ancients to Einstein; reviewing the development of concepts, and the rise and fall of various theories which were used to explain observed phenomena.

A survey of the development of Relativistic theories, and the experimental data which now impinges on this school of thought. A study of current sources of experimental and research data will be made.

499—**Undergraduate Research I, II, III.** 2 hours per quarter.

A course limited to selected senior physics majors. To introduce the student to methods of physical research, requiring a formal literature search, problem outlines, construction of apparatus, and collection of accurate data on some assigned problem. A formal report will be required. Permission of the chairman.

ASTRONOMY (Ast.)

301, 302, 303—**General Astronomy.** Four hours each course.

Three lecture periods and one three-hour laboratory period per week.

Introduction to the coordinate systems of the Earth and Celestial Sphere, Time and its applications, The Solar System.

Astronomical relations of light, atomic theory, spectroscopy; further topics on the Solar System, comets and meteorites.

Astronomical measurements, star classifications, relative and apparent motion of the stars, galaxies, extra-solar matter and the stellar energy cycle.

DEPARTMENT OF POLITICAL SCIENCE (P.S.)

Leon A. Wilber, Chairman

Hatcher, Lindsay, Tuchak, Weems

(1) **Requirements for an Undergraduate Major.** The basic policy of the department is to require (a) the introductory survey course, P.S. 101, of everyone, (b) one introductory course from each of the four major fields of Political Science, and (c) four elective courses.

The major would therefore include the following courses:

P.S. 101—**American Government**

P.S. 400, 402, or 404—**Political Theory**

P.S. 301—**State Government,** 406—**Political Parties,** or 417—**Constitutional Law.**

P.S. 450—**Western European Governments,** or P.S. 451—**Soviet Government and Politics.**

P.S. 457—**International Politics,** or 458—**International Organization,** or 485—**International Law**

Electives in Political Science: 16 hours. Total: 36 hours.

(2) **Requirement for an Undergraduate Minor.** Since the minor is under the control of the major professor, there are no departmental requirements, but the department recommends that the minor include introductory courses from the four fields listed for the major.

(3) Economics 400, Finance 415, and History 405, 411, 469, and 470 may be elected as Political Science if approved by the student's adviser.

POLITICAL SCIENCE COURSES

101—**American Government.** Four hours.

A survey of our national government, with some related study of Mississippi courts and the state election systems. (Required of all students.)

300—**United States Foreign Policy.** Four hours.

A study of contemporary U. S. Foreign Policy with major emphasis on the period 1945 to the present. The study highlights the revolution in American Foreign Policy since World War II.

301—**State Government.** Four hours.

A study of the organization and administration of state governments, with some emphasis on Mississippi.

307—**Mississippi State and Local Government.** Four hours.

A concentrated study of Mississippi state, county, and municipal government.

345—**Current Problems in Citizenship.** Four hours.

A study of current problems before the national, state, and local governments at the time the course is taught. Different problems are studied in different years.

400-G400—**Political Theory to 1783.** Four hours.

Political thought from Plato through the Enlightenment, with emphasis on the contributions of individual philosophers.

402-G402—**American Political Theory.** Four hours.

A study of the principal political ideas that have influenced the development of the United States' political system.

404-G404—**Political Theory Since 1783.** Four hours.

Recent and contemporary European political thought with emphasis on liberalism, conservatism, socialism, communism, and fascism.

406-G406—**American Political Parties and Pressure Groups.** Four hours.

A survey of party structures, problems, and the methods of political leaders. Also a survey of present pressure groups and their methods.

412-G412—**U. S. Constitutional Law.** Four hours.

A survey, by the case method, of principles and practices of American constitutional law. Emphasis is placed upon judicial review, the federal system, national powers, and individual rights.

434-G434—**County Government.** Four hours.

A study of local rural government, with some emphasis on Mississippi.

435-G435—**Municipal Government.** Four hours.

A study of the principal systems of municipal government in the United States, with emphasis on Mississippi.

436-G436—**The Legislative Process.** Four hours.

A detailed study of Congress and the state legislature, covering functions, organizations, procedure, outside influences, and problems. Emphasis is on Congress.

450-G450—**Western European Governments.** Four hours.

A survey of the British, French, and the West German governments.

451-G451—**Soviet Government and Politics.** Four hours.

A detailed study of the political, economic, and social structure of the Soviet Union, and the role of the Communist Party.

457-G457—**International Politics.** Four hours.

A study of the methods and forces involved in international political struggles.

458-G458—**International Organization.** Four hours.

A study of the principal types of international organization, and of examples of the same, such as the United Nations and the Organization of American States.

459-G459—**Propaganda in Foreign Policy.** Four hours.
A study of the media and techniques of propaganda, and of propaganda as an instrument of foreign policy. U.S. programs, both governmental and non-governmental, are examined and compared with those of other appropriate countries.

460-G460—**Public Administration.** Four hours.
An introductory study including administrative organization, personnel management, and fiscal management.

470-G470—**Government and Politics of the Middle East.** Four hours.
A study of the states of the contemporary Middle East: governmental structures and institutions, political organizations and behavior, and regional and international relations.

485-G485—**International Law.** Four hours.
A sampling of the field, based largely on cases.

492—**Special Problems I, II, III.** One hour each.
A problem study to be approved by the department chairman, to develop knowledge and facility in a field of interest for the student. The student will prepare a scholarly paper under the supervision of a professor.

DEPARTMENT OF RELIGION AND PHILOSOPHY

John F. Nau, Chairman

Bishop, Arrington, James

PHILOSOPHY (Phi.)

The Department of Religion and Philosophy offers programs of study which will allow a student to choose either a major or a minor in Philosophy or a major and a minor in Religion and Philosophy combined.

Students majoring or minoring in Philosophy should begin with either PHI 101 or Logic 210. For a major, a total of 36 quarter hours is required, of which at least 16 hours must be in courses on the 400 level. A major program in philosophy will normally include PHI 101, Logic 210 and Philosophy 301-303, and 305.

For a minor in Philosophy, a total of 28 quarter hours is required, of which at least 8 quarter hours should be in courses on the 400 level.

PHILOSOPHY COURSES

101—**Introduction to Philosophy.** Four hours.
A course intended to acquaint the student with the general nature of philosophical study. Covers values, methods, themes, the nature of reality, epistemology, ethics, and aesthetics.

210—**Logic.** Four hours.
A study of the methods and problems of accurate and critical thinking. Induction, deduction, the syllogism, fallacies, the scientific method, and symbolic logic. Emphasis on practical application.

220—**Introduction to Symbolic Logic.** Four hours.
Prerequisite: 8 hours of math or philosophy 210.
The basic theory and operations of the sentential calculus, qualification, and the logic of relations.

300-G300—**Philosophical Systems.** Four hours.
This course offers more thorough study of the recent developments in philosophical systems, emphasizing particularly creationism, emergentism, organism, existentialism, and pragmatism. Emphasis on supplementary readings in these fields. Not open to freshmen and sophomores.

301—**History of Philosophy.** Four hours.
A study of the main philosophic movements, and of the findings of Greek pioneers, the patristic writers, and the scholastics.

303—**History of Philosophy.** Four hours.

A study of the main problems and movements in philosophy from the Renaissance to Kant.

305—**History of Philosophy.** Four hours.

Philosophy after Kant. Writings of Hegel, Schopenhauer, Mill, Compte, Marx, Nietzsche, Bergson, Dewey, Whitehead, and Russell will be considered.

315—**Semantics.** Four hours.

Prerequisite: 8 hours of Philosophy including 210.

Study in the foundations of language theory and the general theory of signs. Applications will be made to the languages of science, metaphysics, and the arts.

320—**Theories of Knowledge.** Four hours.

Prerequisite: Philosophy 101.

An examination of recent philosophical positions in epistemology, including positivism, pragmatism, realism, and ordinary language analysis.

370—**Ethics.** Four hours.

A study of the evolution of moral ideas from primitive to modern times, and a critical analysis of ethical theories and of social institutions such as the state, property, and the family.

407-G407—**Plato and Aristotle.** Four hours.

Prerequisite: 8 hours of Philosophy, including 301.

A detailed analysis of three Platonic dialogues, and selected readings from Aristotle's Physics, Psychology, and Ethics.

408-G408—**Continental Rationalism.** Four hours.

Prerequisite: 8 hours of Philosophy including 303.

A study of the philosophies of Descartes, Spinoza, and Leibnitz. Based on selections from their writings.

410-G410—**British Empirical Philosophy.** Four hours.

Prerequisite: 12 hours of philosophy or permission of instructor.

The British empiricists examined both individually and as contributors to one of modern philosophy's historical developments.

415-G415—**Kant.** Four hours.

Prerequisite: 12 hours of Philosophy.

Textual study of Kant's metaphysical, epistemological, and ethical theories. Attention given to the influence of the Critical Philosophy upon subsequent philosophical movements.

420-G420—**Introduction to the Philosophy of Science.** Four hours.

Prerequisite: 8 hours of Philosophy or advanced courses in Mathematics or the empirical sciences.

A study of the conditions and status of knowledge, perception, measurement, hypothesis, causality, and concept formation based upon recent scientific and philosophical investigation.

430-G430—**Advanced Ethics.** Four hours.

Prerequisite: Philosophy 370.

A study of rival contemporary theories in general theory of value and ethics. The positions of naturalism, intuitionism, emotivism, and functionalism will be critically compared.

450-G450—**Foundations of Existentialism.** Four hours.

Prerequisite: 8 hours of Philosophy or permission of instructor.

An introduction to the basic motifs of existentialist thought through the writings of Kierkegaard, Sartre, Nietzsche, and Berdyaev.

RELIGION (Rel.)

Students majoring in Religion and Philosophy combined are required to have a total of 36 hours of which no less than 12 quarter hours must be in either Philosophy or Religion. Students minoring in Religion and Philosophy combined are required to have a total of 28 quarter hours of which no less than 8 quarter hours must be in either Religion or Philosophy.

RELIGION COURSES

201, 202—**The Old and New Testaments.** Four hours each.

A general survey, covering types of literature, and general content of the books of the Old and New Testaments.

205—**History of Non-Christian Religions.** Four hours.

May be elected as history.

A study of the grounds for religious beliefs of men, the emergence of tribal and national religions in antiquity, and a survey of the principal non-Christian faiths of ancient and modern times.

301, 302—**The Major and Minor Prophets of Israel.** Two hours each.

A study of the lives and teachings of the Old Testament prophets, the social, political, economic, and religious backgrounds to their work and the relevance of their message to modern times.

305—**The Gospels.** Four hours.

A study of the biography of Jesus and literary problems of the synoptic Gospels approached through intensive work on Mark, with materials integrated from the Gospel of John.

310—**Archaeological Background of the Old Testament.** Four hours.

A study of archaeologically obtained evidence relating to the Bible, with special attention to excavated sites in Palestine.

320—**Ancient Inscriptions Relating to the Old Testament.** Four hours.

A study of documents from Egypt, Assyria, and other countries which elucidate the Old Testament narrative, including a brief survey of cultures preceding and contemporary with the Old Testament.

401-G401—**History of Christian Culture.** Four hours.

May be elected as history.

A study of the cultural development of Western Europe during the Christian era, with emphasis on religious thought, and on religious aspects of institutions, literature, and art.

402-G402—**Religion in the Rise of American Culture.** Four hours.

A study of the origin and development of the major religious groups and of the shifts in religious thought in the United States from colonial times to the present.

405-G405—**The Types of Literature in the Bible.** Four hours.

May be elected as English 346.

An analysis of the types of literature in the Old and New Testaments and a comparison of these with similar writings of other Jewish writers of the same periods and with related types of writing among other people.

DEPARTMENT OF SCIENCE EDUCATION (SCE)

The Department of Science Education is operated jointly by the College of Arts and Sciences and the School of Education and Psychology. The facilities

are in the College of Arts and Sciences: programs in teacher education are in the School of Education and Psychology. Responsibility for the curriculum is shared jointly.

Purposes

The mission of the Department of Science Education is: (1) to provide those courses in both the physical and biological sciences which would give a minimum degree of scientific literacy to all students; (2) to provide, in cooperation with the Department of Elementary Education, a curriculum in the sciences and science methods for elementary school teachers; (3) to provide advisement for those students planning to teach the sciences at the secondary school level; (4) to provide programs leading to advanced degrees in science education; (5) to work with public schools in the development of curricula, workshops, science fairs, and other activities designed to improve science instruction at all public school levels.

Curriculum and Program

The Department of Science Education is concerned primarily with teachers and prospective teachers of science. Although some students will be planning to teach a specific science, current public school organization does not encourage too much specialization: familiarity with principles and concepts common to all of the several scientific disciplines is prerequisite. Hence, courses in science education are so organized as to give teachers and prospective teachers a broad understanding of several of the sciences, with the opportunity for enough specialization in one area to pursue advanced study.

In general, all prospective science teachers will study mathematics through trigonometry. Calculus is prerequisite for some courses in chemistry and physics. Specialization in one scientific discipline wll require a minimum of forty (40) quarter credit hours in that discipline. Certain courses offered by the various science departments specifically for public school teachers are applicable only to the degree programs in education offered by the School of Education and Psychology.

The Department of Science Education offers a **major in general science** for secondary school teachers, grades 7 through 12. The recommended course of study is outlined below:

Freshman year:
English 101, 102, 103
Math 101, 102, 103
Chemistry 101, 102, 103
Geography 103
Political Science 101
Music or art

Sophomore year:
Biology 101, 102, 103
English 201, 433
History 101, 102
Sociology 103
Physics 101, 102, 103
Health 179
Psychology 201

Junior year:
Public address 101
FED 328 (education)
EPY 319, 332 (psychology)
FED 469 (education)
Chemistry 204, 205, 206
Biology 104 or 311, 300
Geology 101, 260

Senior year:
SED 451, 313, 481 (education)
Electives 20 hours in biology, chemistry, geology, or physics
Electives 8 hours

The above program provides a broad background and some depth in all science areas, opportunity for considerable depth and specialization in one science area, and background in professional education necessary for effective teaching.

For a **minor in general science,** the student must take a minimum of 12 quarter hours in two or more science fields and a minimum of 24 quarter hours in one of the sciences.

SCIENCE EDUCATION COURSES (SCE)
Including Fundamentals of Science (FS)

Fundamentals of Science: A sequence of two courses in the physical sciences and two in the biological sciences. Each course carries four hours of credit and consists of four one-hour lecture-demonstration sessions per week. A working knowledge of algebra is presupposed. These courses are designed to give students an acquaintance and understanding of certain fundamental principles and laws of the major science disciplines. Credit in these courses will not count toward the degree requirements for a major or minor in the sciences or in secondary school science teaching.

FS 104—**Physical Science I.**

A study of matter and energy in the universe; their sources, transformation, and interactions; the forces acting within the universe; and the laws governing these phenomena.

FS 105—**Physical Science II.** Prerequisite: FS 104.

A continuation of FS 104. Primary emphasis is on elementary and compound substances, the arrangement of and forces acting on these substances in the formation of the earth, atmosphere, and the universe.

FS 106—**Biological Science I Zoology.** Prerequisite: FS 105.

Elementary studies of cell structure and function; gametogenesis, ontogeny, heredity, ecology, taxonomy, and phylogeny, with emphasis on the major groups of animals.

FS 107—**Biological Science II Botany.** Prerequisite: FS 105.

Elementary studies of plant morphology, physiology, ecology, taxonomy, and phylogeny, with emphasis on the major groups of plants.

SCE 432—**Science for Elementary Teachers.** Four hours.

Six hours of lecture, audio-visual, and laboratory work per week.

Designed to relate basic scientific principles to the elementary grades, and provide experience in presenting these principles to the elementary school child through the use of a variety of materials, activities, and methods.

SCE 447—**Nature Study and Elementary Science.** Four hours.

Six hours of lecture and field work per week.

Familiarizes prospective teachers with the biological and physical materials commonly close at hand and assists in the identification and utilization of these materials. Considers the whole environment of the child and his observation and interpretation of it.

SCE 451J—**Methods in Teaching Science—Grades 10 through 12.** Four hours.

Prerequisite: Senior standing (should be taken one or two quarters before student practice teaching).

A course designed to familiarize teachers with trends in the secondary science curriculum. It includes a study of materials and techniques used in presenting subject matter to the secondary school student. Emphasis is placed upon the design of activities dealing with science as a form of inquiry and investigation. Readings are required in the science and science education periodicals.

SCE 451K—**Methods in Teaching Science—Grades 7 through 9.** Four hours.

Prerequisite: Senior standing (should be taken one to two quarters before student practice teaching).

Similar to 451J, but emphasizes curriculum, methods, and materials at the junior high school level.

SCE 400-G400—**BSCS Biology for Secondary Teachers.** Four hours.

Prerequisite: 36 hours of biology.

This course is for teachers only, and may not be used for credit toward a major in biology.

A detailed critical examination of the subject matter, techniques, and methods for teaching biology in secondary schools, as proposed by the Biological Sciences Curriculum Study. Designed to orient teachers in modern biology subject matter and special techniques by presenting background material and special laboratory exercises. Emphasis is placed on the laboratory as the source of information from which sound conclusions can be drawn. 3 two-hour laboratory-lecture-demonstration periods per week plus 3 hours per week arranged to include field trips, group projects, etc.

DEPARTMENT OF SOCIOLOGY (Soc.)

John N. Burrus, Chairman
Allen, Blackmon, McMurry, James

General Statement

The Department of Sociology offers a major or a minor. Provision is also made for the student who is not a major or minor but who wishes to select one or several courses in sociology according to his interests or needs.

Core curricula applicable to the College of Arts and Sciences and the degree selected should be followed with care. Sociology majors who wish to meet requirements for a teacher's license should take note of these requirements in the section of the catalog dealing with teacher training.

A minimum of 36 quarter hours (beyond core) is required for a major in Sociology. Twenty-eight hours are required for a minor.

The Sociology major will complete a minor of 28 hours in another field. It is possible for the minor to be taken in any department offering a major, but in most circumstances a minor in one of the social sciences is most advantageous. The core requirements should be completed as early in the academic program as possible. Courses not needed to fulfill major, minor, or core requirements are free electives and may be taken in any department of the University.

Freshmen and Sophomores planning to major in Sociology are advised to include some sociology courses in their schedules. This will preclude the necessity of scheduling multiple courses during the junior and senior years. Such courses should not interfere with the completion of core requirements, however.

Transfer students interested in majoring in Sociology are advised to check their programs with the sociology adviser at as early a date as possible.

Course Requirements and Information

A. All sociology majors must take the following courses: 201, 301, 481 or 482 and 485.

B. Students taking the general Sociology major must also take 401 and complete the 481-482 sequence. The remaining 12 hours may be selected from any of the departmental offerings with the exception of 230 and 330.

C. Students preparing for careers in professional social work may use Sociology as a major or minor in a program of pre-professional undergraduate training. While the University does not offer a degree or major in Social Work, proper planning of the undergraduate program will provide an adequate academic background for those who wish to pursue a career in that field. Professional training must be obtained in a graduate school of social work, but the student is urged to obtain a well-balanced undergraduate education with courses representing all academic areas. Proficiency in English, mathematics, and social sciences is particularly desirable.

The pre-professional student pursuing a major program in Sociology must fulfill the requirements in "A" above and then may select 16-24 additional hours in Sociology from other departmental offerings. Some recommended courses are: 230, 304, 330, 429, 450, 470, and 209. The selection of courses should be made in consultation with the Sociology adviser.

COURSES OF INSTRUCTION (SOC)

Note: The 400-level courses, beginning with 401-G401, are open only to students of junior standing or higher.

103—**Introduction to Sociology.** Four hours.

A course designed to give the student a general overview of the content and methodology of sociology. Prerequisite to all courses except 201.

201—**Rural Sociology.**. Four hours.

A study of the structure, institutions, and social processes of rural society;

and of the effect of urbanization on rural society. Recommended for majors and minors.

209—**Cultural Anthropology.** Four hours.

Prerequisite: Sociology 103.

A study of human behavior in preliterate societies. Attention to how cultural traits are invented and diffused; and to the relation of cultural change to modern civilization. Emphasis on the American Indian.

230—**Introduction to Social Work.** Four hours.

An introduction to the purpose, methods, and philosophy of contemporary social work. Intended only for persons planning to enter social work as a vocation.

233—**Social Problems.** Four hours.

Prerequisite: Sociology 103 or 201.

A study of representative contemporary problems, with emphasis on causes which arise from cultural patterns and social change.

280—**Criminology.** Four hours.

Prerequisite: Sociology 103.

A study of causes, treatment and prevention of crime. The presentation deals with criminology, penology, and criminal legislation in ancient and modern times.

301—**Urban Sociology.** Four hours.

Prerequisite: Sociology 103 or 201.

An analysis of the nature of urban society and the factors shaping it, including the influence of urban ecology, and ecological processes. Consideration is given to the impact of urbanization and industrialization on social institutions, levels of living, and demography.

304—**The Family.** Four hours.

Prerequisite: Sociology 103.

An analysis of the structure and function of the family as an institution. Some emphasis on contemporary trends and factors shaping the contemporary family.

309—**Anthropology Survey I.** Four hours.

Prerequisite: Eight hours in Sociology or Anthropology.

The basic course for the serious or pre-professional Anthropology student. Lecture and supervised research.

330—**Methods of Social Work.** Four hours.

Prerequisites: Sociology 103 and 230.

A study of the principles of social case work.

336—**Educational Sociology.** Four hours.

Prerequisites: Sociology 103 or eight hours in Education, or consent of the instructor.

A comprehensive study of the educational institution; an analysis of the school as a social institution; and the relationship of the educational institution to the community and general society.

340-G340—**Advanced Rural Sociology.** Four hours.

Prerequisites: Sociology 201 or 103 and advanced standing.

An advanced course in rural sociology. Certain areas of rural life and social change are selected for detailed study. The effects of urbanization, mechanization, and migration are examined. Recommended as complementary to Sociology 301.

401-G401—**Population.** Four hours.

Prerequisite: Sociology 103.

This course introduces the student to the science of demography and ex-

amines differentials and trends in birth rates, migration, sex ratios, and mortality rates. Recommended for all majors and minors. Advanced standing required.

420—**Industrial Sociology.** Four hours.

An advanced sociological study of industrial and business units as social systems, and their institutional setting.

429-G429—**Juvenile Delinquency.** Four hours.

A study of causes and the nature of juvenile delinquency, the development of the juvenile court, probation and other rehabilitative programs. Recommended for persons with a serious interest in the study of delinquency. Not open to freshmen and sophomores.

430-G430—**Social Foundations of Personality.** Four hours.

A comprehensive treatment of the role of the social group and the cultural heritage in the development and functioning of the human personality. An analysis of social institutions, social organizations and social experience as they are related to personality development. Advanced standing required.

450-G450—**Social Institutions.** Four hours.

Prerequisites: Sociology 103 and advanced standing.

A detailed study of major American social institutions, their functions, interrelationships, and significant trends. Emphasis on theory of social structure.

470-G470—**Advanced General Sociology.** Four hours.

An advanced course in general sociology giving expanded treatment to the basic sociological concepts and subject-matter areas. Not open to freshmen and sophomores.

481-G481—**History of Social Thought.** Four hours.

Prerequisite: Sociology 103 and advanced standing.

An examination of early social thought, tracing the development of western thought and ideas from Hammurabi to Comte.

482-G482—**Sociological Theory.** Four hours.

A survey of the growth and development of sociological theory from Comte to the present. Advanced standing required.

485-G485—**Methods of Social Research.** Four hours.

A survey of elementary research techniques, illustrated by demonstrations and projects. How to locate, process, analyze, and interpret social research data. Open only to juniors and seniors; required for majors.

Prerequisite: 12 hours in Sociology.

DEPARTMENT OF SPEECH AND HEARING SCIENCES (SHS)

Robert W. Peters, Chairman

Creech, DuBard, Gardner, George, Grange

The Department of Speech and Hearing Sciences is concerned with the body of knowledge and scientific study that pertains to both normal and abnormal speech, hearing and language. The Department provides the environment in which information in this area can be effectively advanced and knowledge disseminated.

Bachelor of Arts, Bachelor of Science, and Bachelor of Science teaching degrees are offered by the Department. For information concerning Master's or Doctoral degrees, consult the graduate bulletin. Specialization is possible in four principal areas: (1) Speech and Hearing Science, (2) Audiology, (3) Language Disorders, (4) Speech Pathology.

Majors who take the B.S. teaching degree may minor in Special Education. The minor will require EPY 316, EPY 319, EPY 332, EED 266, SPE 451, SPE 486, SPE 471 (a minimum of 12 hours must be taken in SPE 471).

The Speech and Hearing Center, the School for Deaf and Aphasic Children, and the Acoustic Laboratory are operated by the Department on the campus to provide clinical and research laboratory experiences. Other training facilities are available at off campus locations.

UNIVERSITY OF SOUTHERN MISSISSIPPI SPEECH AND HEARING CENTER

Southern Station, Box 92
Hattiesburg, Mississippi
Phone:266-7221

Robert W. Peters, Director

The Speech and Hearing Center is operated by the Department of Speech and Hearing Sciences as a laboratory training unit and as a service center for students and other individuals who have speech, hearing, or language impairments. Diagnostic, therapeutic, and teaching services are provided for a wide variety of disorders, including delayed speech, defective articulation, stuttering, cleft palate, cerebral palsy, language disorders, laryngectomees, and hearing losses of any type. Included in the services offered to the hard of hearing are hearing-aid evaluations, lip reading, auditory training, hearing aid orientation, audiological assessment for compensation and medical-legal claims, and any type of pure-tone and speech audiometry.

The staff of the center includes Dr. Robert Peters, Director; Dr. Robert O. Grange, Speech Pathologist; Dr. Henry B. Creech, Audiologist; Miss Etoile DuBard, Teacher of Aphasic Children; and Miss Jean Gardner, Teacher of the Deaf.

The School for the Deaf and Aphasic Children, Miss Etoile DuBard, Director, is a part of the over-all speech and hearing services and is specifically concerned with diagnostics and teaching of children with hearing and language disorders.

The services are available at nominal costs.

Speech and Hearing Center Services:

Audiometric pure tone test	$ 5.00
Diagnostic Hearing Evaluation	10.00
Hearing Aid Evaluation	15.00
Hearing Evaluation for Medical-Legal Compensation Claims	25.00
Diagnostic Speech Evaluation	10.00
Speech or Hearing Therapy fees per session	2.00
Therapy fees for college students per quarter	5.00

COURSES

SPEECH AND HEARING SCIENCE

201—Introduction to Phonetics. Four hours.

International Phonetic Alphabet as applied to English.

210—**Fundamentals of Speech and Hearing Science.** Four hours.

An introduction to the basic knowledge pertaining to speech, hearing, and language processes.

332-G332—**Semantics.** Four hours.

Scientific approach to the study of language as a symbolic code.

334-G334, 335-G335—**Voice Science I, II.** Four hours each.

A two-course sequence dealing with the various anatomical and neurological systems concerned with the production of speech.

336-G336—**Experimental Phonetics.** Four hours.

A study of laboratory investigations of problems in phonetics as they are related to functional speech.

338-G338—**Psychology of Speech.** Four hours.

Study of Speech with particular reference to information theory, speech intelligibility and other mathematical model systems.

402-G402—**Language Development.** Four hours.

The normal acquisition of language.

406-G406—**Acoustic Phonetics.** Four hours.

Principles of acoustic theories of speech production.

410-G410—**Anatomy, Physiology, and Mechanism of Hearing.** Four hours.

This is a basic and fundamental audiology course open to all students who are interested in the normal anatomy and physiology of the ear and associated areas.

492—**Problems in Speech and Hearing Science, Audiology, Language Disorders, or Speech Pathology.** One to six hours.

Audiology

302-G302—**Introduction to the Measurement of Hearing.** Four hours.

A specialized survey of the field of audiology to acquaint students with the causes, testing, and rehabilitation of persons with hearing loss.

401-G401—**Auditory Training and Hearing Aids.** Four hours.

Current methods of using amplifications for rehabilitating persons with hearing loss.

405-G405—**Clinical Audiology.** Four hours.

Advanced audiometric techniques and clinical procedures.

409-G409—**Speech Reading.** Four hours.

Major theoretical and applied aspects of the speech reading (lipreading) process.

413-G413—**Pre-School Hard of Hearing and Deaf.** Four hours.

An over-all view of the complex problems facing the hard-of-hearing and deaf child in the home, community and educational environment.

417-G417—**Audiological Instrumentation.** Four hours.

To present advanced students various electronic systems employed in the study of audiology.

425-G425—**Pathologies of the Hearing Mechanism.** Four hours.

A basic and fundamental course in audiology open to students interested in the various pathologies and abnormal functions of the ear and associated areas.

Language Disorders

430-G430—**Phonetics for the Acoustically Handicapped.** Four hours.

Techniques for teaching speech to the deaf and those children with unusual hearing problems, including systems of orthography and their application for teaching speech and reading to acoustically handicapped children.

431-G431—**Language Disorders I: Assessment of Children with Language Disorders.** Four hours.

Problems of assessing children with language disorders, differentiating the aphasic child from the deaf, mentally retarded, autistic, severely emotionally disturbed, or the child who does not develop speech and language because of muscular paralysis.

432-G432—**Language Disorders II: Habilitation of the Aphasic Child.** Four hours.

Prerequisites: 430, 431.

Basic problems of the aphasic child and procedures needed for him to acquire use and comprehension of language and speech.

433-G433—**Language for the Hard-of-Hearing and Deaf.** Four hours.

Prerequisite: 413 or the consent of the instructor.

Principles of language development for the pre-school and school age hard-of-hearing and deaf child and the child with multiple handicaps.

434-G434—**Speech for the Hard-of-Hearing and Deaf.** Four hours.

Prerequisite: 430.

Problems in developing and maintaining intelligible speech in hard-of-hearing and deaf children through the multisensory approach. Attention is given to the speech problems of children with multiple handicaps.

435-G435—**Problems in Reading for the Hard-of-Hearing and Deaf.** Four hours.

Prerequisite: Consent of the instructor.

Problems confronting the deaf in reading. Special attention is given to problems created by the vocabulary of high level abstraction and words of multiple meanings.

436-G436—**Problems in Academic Subjects for the Hard-of-Hearing and Deaf.** Four hours.

Prerequisite: Consent of the instructor.

Problems of vocabulary and language of specific subject matter areas.

437-G437—**History, Education, and Guidance for the Deaf.** Four hours.

Speech Pathology

301-G301—**Introduction to Speech Pathology.** Four hours.

404-G404—**Stuttering and Related Problems.** Four hours.

Theories and therapeutic procedures evaluated with respect to the problem of stuttering behavior in children and adults.

414-G414—**Diagnostic Procedures in Speech Pathology.** Four hours.

Examination and diagnosis of people with speech disorders with emphasis on interviewing, testing, and report writing.

416-G416—**Articulation Disorders.** Four hours.

Study of the problems of defective articulation: definition, causative factors, therapy, and research.

420-G420—**Voice Disorders.** Four hours.

The disorders of voice and their cause and management.

424-G424—**Organic Speech Problems.** Four hours.

The pathologies and therapies for speech and allied language problems associated with the organic disorders of cerebral palsy and cleft palate.

428-G428—**Adult Aphasia and Related Problems.** Four hours.

The speech and related problems associated with neurological impairment.

438-G438—**Pathology of Speech Mechanism.** Four hours.

Investigation of the various disorders involving the vocal mechanism which can result in and/or be associated with speech problems.

SCHOOL OF BUSINESS ADMINISTRATION

Joseph A. Greene, Jr., Dean

PURPOSE

The School of Business Administration has as its objective the education of a student through a blend of cultural knowledge, economic literacy, basic business tools and specialized knowledge to allow him to rise in the business world to the maximum of his innate abilities. Specialized courses in various fields to suit different objectives are superimposed upon a broad coverage of courses in the arts and sciences, mathematics, economics and general business. Thus, it is believed that the graduate has been given enough specialized training to enable him to start work in one of the functional areas of business, and a broad enough education with the ability to use managerial tools and exercise business judgment to rise to the executive levels.

ORGANIZATION AND OPERATION

For efficient operation the School of Business Administration is organized into the departments of Accounting, Economics, Finance and General Business, Management and Marketing. Each department offers at least one major and a student interested in a particular area should examine any alternative majors or course emphases offered by that department.

Whatever major is chosen the student pursues the same curriculum except for his major course requirements. Upon completion of all requirements he is awarded the degree of Bachelor of Science in Business Administration.

The Department of Economics offers the Bachelor of Arts degree in the College of Arts and Sciences as well as the Bachelor of Science in Business Administration. The curriculum for the Bachelor of Arts degree in Economics is found under the section of the catalog devoted to the College of Arts and Sciences.

STUDENT ADMITTANCE AND ADVISEMENT

A student is eligible for admission to the School of Business Administration when he will have completed by the end of the current quarter as many as 90 quarter hours with a "C" average. For admittance without reservation he must have completed or be completing all the requirements under the curriculum prescribed for the freshman and sophomore years. A student is admitted with some qualifications if he has the required hours but lacks some of his basic core. It is imperative that the student will have completed, or will shortly complete, the School requirements in accounting principles, economics principles and mathematics. A student will not be admitted under any circumstances until he has completed freshman English composition.

Upon his admission to the School, the student is assigned an adviser within the School by the Office of the Dean. His adviser will be his department chairman or someone designated by the department chairman who will approve his schedule each quarter, provide counsel, and sign his application for degree.

A student who changes his major within the School must come to the Office of the Dean and change his departmental designation and his adviser.

STUDENT ORGANIZATIONS, PLACEMENT AND ASSISTANCE

The School promotes several professional and honorary societies for students in order to foster fellowship and scholarship among those with similar interests. These organizations are: Alpha Epsilon Alpha, professional fraternity in accounting; Economics Society, professional fraternity in economics; Delta Sigma Pi, professional fraternity for men in all areas of business; Omicron Delta Epsilon, honorary society in economics; Phi Chi Theta, professional fraternity for women in all areas of business; Pi Sigma Epsilon, professional fraternity in marketing; Rho Epsilon, professional fraternity in real estate; and, Society for Advancement of Management, professional fraternity in management.

All these organizations are coordinated under the Business Fraternity Council of the School.

The School cooperates with the University Placement Bureau in assisting

its graduates in finding positions. The student is expected to establish a file with the Placement Bureau three quarters before graduation in order to avail himself of all the opportunities.

There are several scholarships available exclusively for students in the School of Business Administration as well as many others for which business students may apply. Any inquiry should be addressed to the Director of Student Aid and Scholarships, Box 7, Southern Station, Hattiesburg, Mississippi.

PLAN FOR FRESHMAN AND SOPHOMORE YEARS

The curriculum requirements below are for all students in the School working toward the Bachelor of Science in Business Administration.

The transfer student should conform to the suggested curriculum as far as possible.

CURRICULUM FOR FRESHMEN AND SOPHOMORES

Freshman Year

English 101, 102, 103—Freshman Composition	12
History 101, 102—World Civilization	8
Political Science 101—American Government	4
*Mathematics 100 or 101	4 or 0
Mathematics 112 or 102	4
**Science	12
***Office Administration 101 Proficiency Typewriting	4 or 0
Military Science and/or Physical Education Activity Courses (Male Students must take both)	3 or 0
****Electives (See explanation under "Electives")	0 or 11
	51

*Mathematics 100 or 101 is required only for those students who feel they have an inadequate background of algebra from high school. Other students may go directly into Mathematics 112 or 102. Industrial Management majors must choose Math 101 and 102.

**General Physics or Chemistry is strongly recommended for Industrial Management majors.

***A student may not take Office Administration 101 if he has had a year of high school typewriting and may be excused from the course if he demonstrates proficiency.

****Finance 100, Introduction to Business, is strongly recommended as an elective for those students wishing a survey course in business to prepare them for the advanced courses.

Sophomore Year

Public Address 101—Oral Communication	4
Fine Arts (Music 165 or Art 120)	4
English 201, 202—Introduction to Literature	8
*Philosophy 101 or 210 and Psychology 201 or Sociology 103	8
Economics 251, 252—Principles of Economics	8
Accounting 201, 202, 203—Principles of Accounting	12
**Mathematics 320 or Finance 300	4
Military Science and/or Physical Education Activity Courses (Male Students must take both)	3 or 0
Electives (See explanation under "Electives")	0 or 3
	51

*A major in Personnel Relations must take both Psychology 201 and Sociology 103 as well as the requirement in Philosophy.

**Economics majors may substitute Economics 301.

PLAN FOR JUNIOR AND SENIOR YEARS

Business Core

In addition to the specific requirements in the Freshman and Sophomore

years, all students in the School of Business Administration are required to take the following core in business.

Course	Title of Course	Hours
Business Education 300	Business Writing	4
Marketing 300	Principles of Marketing	4
Economics 330	Money and Banking	4
Finance 310, 311	Business Law	8
Management 360	Principles of Management	4
Finance 375	Business Problem Analysis and Report Writing	2
*Finance 389	Corporation Finance	4
		30

*Accounting majors may substitute Finance 452, Investment Finance.

Major Requirements

The majors are outlined under the department in which they are located. With the consent of his adviser, a student occasionally may make a substitution for one of his required courses.

Minor Requirements

There is no minor required for the Bachelor of Science in Business Administration except for the student who majors in General Business. This student must complete 28 hours in a department which offers a major. He may not minor in Finance or Management within the School of Business Administration. Otherwise, he may minor in accounting, economics, or marketing, or in any other department within the University. A minor in accounting, economics or marketing will require five advanced courses above the requirements listed in the freshman curriculum, sophomore curriculum and business core. The selection of a minor in other areas of the University should be discussed with the student's adviser.

ELECTIVES

A student must take eight additional quarter hours outside the School of Business Administration in any department he chooses. The remainder of his electives may be taken within the School of Business Administration or from any other department within the University. The student majoring in Industrial Management must take Industrial Arts 121 and 342.

DEPARTMENT OF ACCOUNTING (ACC)

B. L. Forbes, Chairman

Kelley, Anderson, Jackson, Carpenter, Kenamond, Mullen, Davis

Those students who plan to major in accounting should take Accounting 201, 202, and 203 in their freshman year and postpone part of their Basic College core. They should continue by taking Accounting 301 and 302 in their sophomore year.

The following courses are recommended for students planning to minor in Accounting: Accounting 202, 203, 301, 302, and three advanced accounting courses.

ACCOUNTING

Freshman and sophomore curriculum		102
Business core		30
Accounting courses as listed below		36
Accounting 301—Intermediate Accounting I	4	
Accounting 302—Intermediate Accounting II	4	
Accounting 310—Auditing	4	
Accounting 320—Cost Accounting	4	
Accounting 330—Federal Income Tax	4	
Accounting 401—Advanced Accounting	4	
Accounting 405—Current Accounting Theory and Research	4	
Accounting Electives	8	
Electives		24
		192

COURSE DESCRIPTIONS (ACC)

201—**Principles of Accounting I.** Four hours.

The meaning and purpose of accounting; accounting statements and the accounting cycle; special journals; notes and interest; bad debts; inventories; fixed assets and depreciation.

202—**Principles of Accounting II.** Four hours.

Bank reconciliation and petty cash; voucher system; concepts and principles; payrolls; taxes; partnerships; corporations.

203—**Principles of Accounting III.** Four hours.

Departmental and branch accounting; job order, process, and standard cost accounting; budgeting and internal reports; source and application of funds; statement analysis.

300—**Administrative Applications of Accounting.** Four hours.

Prerequisite: Accounting 203.

A course designed to acquaint the student with the application of accounting principles to administrative decisions. (This course may not be applied toward a major or minor in accounting.)

301—**Intermediate Accounting I.** Four hours.

Prerequisite: Accounting 203.

A resumé of accounting theory and a brief review of accounting statements, followed by an intensive study of inventories, tangible and intangible fixed assets, cash and temporary investments, receivables, and current and contingent liabilities.

302—**Intermediate Accounting II.** Four hours.

Prerequisite: Accounting 301.

A study of permanent investments, long-term debt, corporate capital, statements from incomplete data, correction of errors, special problems of income determination, analytical techniques, fund and cash flow statements.

310—**Auditing I.** Four hours.

Prerequisite: Accounting 301 and 302.

A study of auditing principles, techniques, and procedures, professional ethics and legal responsibility, the audit program, field work, and the audit report.

320—**Elementary Cost Accounting.** Four hours.

Prerequisite: Accounting 301, or consent of instructor.

Manufacturing statements and cost terminology; job order and process cost accounting; material, labor, and overhead costs; standard costs and variance analysis; direct costing; spoilage; joint and by-product costing.

330—**Federal Income Tax Accounting I.** Four hours.

Prerequisite: Accounting 301 or consent of instructor.

An introductory course with emphasis on the computation and reporting of ordinary income, capital gains and losses, exclusions, and deductions applicable principally to individuals.

401—**Advanced Accounting.** Four hours.

Prerequisite: Accounting 302, or consent of instructor.

Partnership accounting, joint ventures, consignments and installment sales, home office and branch, fund accounting, and annuities.

405-G405—**Current Accounting Theory and Research.** Four hours.

Prerequisite: Accounting 310, 320, 330 and 401, or consent of instructor.

The study of current accounting problems, with special emphasis on the published bulletins (pronouncements) of professional accounting organizations. Students will explore specific contemporary controversial topics and write research papers.

410-G410—**Auditing II.** Four hours.

A study of AICPA audit bulletins, application of statistical sampling techniques to auditing, review of internal control procedures, and case studies in auditing procedures.

420-G420—**Advanced Cost Accounting and Budgeting.** Four hours.

Prerequisite: Accounting 320.

A study of the managerial uses of accounting data including budgetary procedures and control. Emphasis will be on analyzing cost behavior, distribution costing, cost analysis, break-even analysis, cost-profit-volume relationships, decision making, budget preparation, cash and capital budgeting. Students will also be required to write a research paper on a selected topic.

430-G430—**Federal Income Tax Accounting II.** Four hours.

Prerequisite: Accounting 330.

A continuation of Accounting 330 with emphasis on research in taxation, accounting methods, special sales, payment of taxes, guides for partnerships, estates, trusts, and corporations, and preparation and filing of required returns.

450-G450—**Accounting Systems.** Four hours.

Prerequisite: Accounting 310.

A study of the nature and procedure of systems work with attention given to the design and use of business papers and forms, mechanical equipment and auxiliary devices, punched-card accounting methods, journals, ledgers, internal checks, and applied accounting systems and procedures.

460-G460—**Consolidated Statements and Accounting for Fiduciaries.** Four hours.

Prerequisite: Accounting 401.

Fiduciary accounting principles and reports, parent and subsidiary accounting including consolidations and mergers, and foreign exchange.

470-G470—**Municipal and Governmental Accounting.** Four hours.

Prerequisite: Accounting 203.

A study of the principles and standards of governmental accounting, with emphasis on classification of accounts, fund accounting, statements and reports.

492-G492—**Research in Accounting Problems.** One to four hours.

Prerequisite: Senior standing, and approval of instructor.

A seminar course for advanced study in problems in cost accounting, budgeting, auditing, income tax, or governmental accounting.

DEPARTMENT OF ECONOMICS (ECO)

Coldwell Daniel, III, Chairman

Dixon, Greene, Ho, McQuiston

The major curricula in economics are intended to prepare students for positions as economists in education, business, and government. The recommended minor in economics constitutes a systematic study of the economic environment in which we live. A few advanced courses have been designed to provide appropriate instruction in economics to students in other major fields; and several comprehensive introductory courses may be taken by those who are interested in economics in a less formal way.

The recommended minor in economics for students outside the School of Business Administration consists of Economics 252, 301, 330, 340, 345, 440, and 470.

The School of Business Administration does not require a minor field. However, a student in the School may, if he so desires, minor in economics or include an emphasis on economics through his choice of electives. Such a student should consult closely with the Department of Economics faculty.

ECONOMICS—BACHELOR OF SCIENCE

	Hours
Freshman and sophomore curriculum	102
Business core	30
Major requirements as listed below	36
	Hours
Economics 300—Elementary Mathematical Economics	4
Economics 301—Elementary Econometrics	4
Economics 310—Economic History of the United States	4
Economics 340—Price Theory	4
Economics 345—Income Theory	4
Economics 435—International Trade Theory	4
Economics 440—Economic Growth	4
Economics 470—Comparative Economic Systems	4
Economics (Elective)	4
Electives*	24
	192

*Students considering graduate work in economics should consult frequently with economics department advisers, and are urged to take some mathematics courses beyond the minimum core requirements.

ECONOMICS—BACHELOR OF ARTS
FOREIGN TRADE—BACHELOR OF ARTS

The degree of Bachelor of Arts in economics or foreign trade is granted by the College of Arts and Sciences. Curricula are outlined in the College of Arts and Sciences section of this catalog.

COURSE DESCRIPTIONS (ECO)

200—**Introduction to Economics.** Four hours.

Not to be counted toward major, minor, or meeting the core requirements of the School of Business.

An elementary survey of political economy and economic analysis.

251—**Principles of Economics I.** Four hours.

An introduction to political economy and economic analysis with reference to price determination in markets for both resources and final products under competition and monopoly.

252—**Principles of Economics II.** Four hours.

Prerequisite: Normally preceded by Economics 251.

An introduction to political economy and economic analysis with reference to international trade, economic growth, and the determination of income, employment, and the price level.

300—**Elementary Mathematical Economics.** Four hours.

Prerequisites: Economics 251 and 252, or permission of the instructor.

An introductory study of the application of elementary mathematics to economic theory.

301—**Elementary Econometrics.** Four hours.

Prerequisites: Economics 300 or permission of instructor.

The application of statistical techniques to the measurement and prediction of economic quantities.

305—**Elementary Operations Research.** Four hours.

An introduction to the use of quantitative techniques in managerial decision-making.

310—**Economic History of the United States.** Four hours.

A study of the economic forces that have influenced the development of the United States from its European origins to the present.

330—**Money and Banking.** Four hours.

Prerequisites: Economics 251 and 252.

An intermediate study of the nature and functions of money, the banking system of the United States, and monetary theory.

335—**Economics of the Firm.** Four hours.
Prerequisite: Economics 251.
An intermediate study of the application of economic theory to managerial decision-making.

340—**Price Theory.** Four hours.
Prerequisite: Economics 251.
An intermediate study of the determination of prices in factor and final product markets.

345—**Income Theory.** Four hours.
Prerequisite: Economics 252.
An intermediate study of the determination of income and employment.

365 (Formerly listed as 410)—**Economics of Labor.** Four hours.
Prerequisites: Economics 251 and 252.
A study of the labor market with special reference to the institutional setting, wage determination, and employment problems in an industrial economy.

400-G400—**Public Finance.** Four hours.
Prerequisites: Economics 251 and 252.
A study of federal and state spending and fund raising policies within the context of the social goals to be accomplished by such policies.

420-G420—**Economics of Public Utilities.** Four hours.
Prerequisites: Economics 251 and 252.
Usually offered in alternate years.
A study of the development, institutional bases, structure, and regulation of public utilities.

430-G430—**Economics of Urban Areas.** Four hours.
Prerequisites: Economics 251 and 252.
Usually offered in alternate years.
A study of the economic problems of urban areas, with special reference to the problem of urban land utilization and the spending and fund-raising problems of municipal government.

435-G435 (Formerly listed as 350-G350)—**International Trade Theory.** Four hours.
Prerequisite: Economics 330.
A study of the historical development of international trade theory, the importance of international trade, the mechanism of international payments, and modern theories dealing with the subject.

436-G436 (Formerly listed as 355-G355)—**International Economic Relations.** Four hours.
Prerequisite: Economics 435.
A study of the problems and policies arising out of international economic relations and practices.

440-G440—**Economic Growth.** Four hours.
Prerequisite: Economics 330.
A study of the nature, causes, and effects of regional and national economic development.

445-G445 (Formerly listed as 360-G360)—**Business Cycles.** Four hours.
Prerequisite: Economics 330.
A study of the nature, causes, and effects of business cycles, and of policies to promote economic stability.

450-G450—**Money Markets and Monetary Policy.** Four hours.
Prerequisite: Economics 330.
Usually offered in alternate years.
A study of the nature and structure of money markets, of interest rate determination and patterns, and of the effects of monetary policy on money markets.

460-G460—**Fiscal Theory.** Four hours.

Prerequisite: Economics 330.

Usually offered in alternate years.
A study of the theoretical bases for governmental fiscal operations.

470-G470—**Comparative Economic Systems.** Four hours.

A course designed to acquaint the student with the origins, development, and characteristics of fascism, socialism, communism, and capitalism.

482-G482—**Contemporary Economic Problems I.** Two hours.

Prerequisite: Economics 330.

Usually offered in alternate years.
A study of the economic problems of monopoly, international trade, and income distribution.

484-G484—**Contemporary Economic Problems II.** Two hours.

Prerequisite: Economics 330.

Usually offered in alternate years.
A study of the economic problems of the business cycle, inflation, growth, and the size and influence of the public economy.

DEPARTMENT OF FINANCE AND GENERAL BUSINESS (FIN)

R. R. Hardin, Chairman

Stepp, Jordan, Weisend, Clements

The objective of the Department of Finance and General Business is to prepare its graduates to assume responsible positions in private business and financial institutions and governmental agencies, to promote and operate their own businesses more effectively, or to continue study in graduate or professional schools. The curricula in the Department are designed to give the student a broad knowledge of our society and of the business world in which he will function. Enough specialization is included to prepare students for positions in respective areas of business. The Department includes majors in Finance and in General Business. The Finance major provides area emphases in finance, insurance, and real estate.

The recommended minor in General Business for a non-business major is Accounting 201 and 202 or Economics 251, 252; Finance 389, and four advanced courses in the Department. There is no minor in Finance.

Major—General Business

Freshman and sophomore curriculum		102
Business core		30
Major requirements, minor and electives		60
Finance 415 or Economics 400—Gov't. and Bus., or Public Finance	4	
Finance 325—General Insurance	4	
Economics 410—Economics of Labor	4	
Management 364—Personnel Management	4	
Electives in Finance or Management	8	
*Minor and Electives	36	

*A major in General Business may not minor in Management or Finance but may minor in any other department within the School of Business Administration or may choose a minor in any other department within the University.

Major—Finance

Freshman and sophomore curriculum		102
Business core		30
Major requirements as listed below		32
Finance 325—General Insurance	4	
Finance 350—Banking Administration	4	
Finance 370 or Economics 360—Applied Statistics or Business Cycles	4	
Finance 452—Investment Finance	4	
Economics 410—Public Finance	4	
Finance 480—Financial Management	4	
Electives in Finance	8	
*Electives		28
Alternate Major Emphasis, Insurance		32
Finance 325—General Insurance	4	
Finance 330—Real Estate	4	
Finance 425—Life Insurance	4	
Finance 445—Fire and Casualty Insurance	4	
Finance 452—Investment Finance	4	
Electives in Finance	12	
*Electives		28
Alternate Major Emphasis, Real Estate		32
Finance 325 or Finance 445—General Insurance or Fire and Casualty Insurance	4	
Finance 330—Real Estate	4	
Finance 430—Real Estate Law	4	
Finance 432—Real Estate Finance	4	
Finance 434—Real Estate Appraising	4	
Finance 436—Property Management	4	
Finance 438—Principles of Industrial Real Estate	4	
Electives in Finance	4	
*Electives		28

COURSE DESCRIPTIONS (FIN)

100—**Introduction to Business.** Four hours.

An introductory course to practically all phases of the business and economic world for the beginning student in commerce.

300—**Elementary Statistics.** Four hours.

Prerequisite: Math 112 or 102.

A survey of probability concepts, measurements of central tendencies and dispersion, statistical inference, and correlation.

310—**Business Law.** Four hours.

The fundamental principles of law that apply to common business transactions.

311—**Business Law.** Four hours.

A more specific course in law as applied to business, especially suitable for the accounting, finance and insurance majors.

320—**Personal and Family Finance.** Four hours.

A study of the financial problems that people encounter in planning and managing their own individual affairs. Emphasis is given to choosing an occupation, budgeting, borrowing, savings and investments, life insurance, social security and annuities, home ownership, taxes, estate planning and wills and trusts.

325—**General Insurance.** Four hours.

A beginning course in insurance designed to explain the fundamental principles of risk and risk bearing and to introduce the insurance mechanism as a device for reducing risk and sharing losses.

330—**Real Estate.** Four hours.

An introduction to the field of real estate covering the principles of valuation, appraisal, financing and marketing of real estate.

340—**Savings and Loan Institutions.** Four hours.

A survey of the history and principles of savings and loan institutions, and analysis of the organization, operation, and functions of savings and loan association, credit unions and other thrift institutions, and their relationship to the American financial structure.

350—**Bank Administration.** Four hours.

Prerequisite: Economics 330.

A comprehensive survey of practical bank administration, covering such topics as bank practices and problems, loans and discounts, investments, fiduciary and other services, and the money market.

361—**The Organization and Operation of a Small Business.** Four hours.

Prerequisites: Principles of Accounting and Economics.

A course designed to give the student a knowledge of sound business principles to be applied to the problems of organizing and operating a small business.

362—**Case Studies in Small Business Organization and Operation.** Four hours.

Prerequisite: Finance 361.

The principles studied in Finance 361 re-examined in the light of actual business successes and failures.

370—**Applied Business Statistics.** Four hours.

Prerequisite: A basic course in statistics.

The use of statistics in solving business problems.

375—**Business Problem Analysis and Report Writing.** Two hours.

Prerequisite: Completion of Business Core.

To develop the student's ability to use sources of business information, handle tabular and graphic presentation, and write business reports based upon research and statistical techniques applied to problem-solving.

389—**Corporation Finance.** Four hours.

Prerequisites: Accounting 203 and Economics 252.

A course dealing with the organization of corporations, methods of financing and types of securities, analysis of causes of failure, and rehabilitation of bankrupt corporations.

415-G415—**Government and Business.** Four hours.

A study of the place of government in the business world, with emphasis on types of controls, regulation of public service corporations and financial institutions, laws to enforce competition, and government aids to business.

425-425G—**Life Insurance.** Four hours.

A comprehensive treatment of life insurance, with the use of materials paralleling those approved by the American College of Life Underwriters.

430—**Real Estate Law.** Four hours.

Designed to give the student a general background in real estate law covering such major points as land and its elements, easements, titles, deeds, recording, brokers and managers, contracts of sales, insurance, and landlord and tenant, with emphasis on case and problem solutions.

432-G432—**Real Estate Finance.** Four hours.
Prerequisite: Finance 330.
Functions of real estate finances; the loan contract; the mortgage market; elements of mortgage risk; loan policy and administration of loans; and analysis of current mortgage market conditions.

434—**Real Estate Appraising.** Four Hours.
Prerequisite: Finance 330.
Designed to train students in the technique and art of real estate appraising. This course is concerned with the application of the principles of property valuation to the various classes of realty; stress is laid on the character of land value, axioms of valuation and application of valuation procedures via the cost, market, and income approach to real estate value. The case method of instruction is used in order to enable students to prepare independent property appraisal reports.

436—**Property Management.** Four hours.
Management of real properties as a part of the real estate business; principles of management and organization; collections expenditures and services; physical care of the property; records; and agent's relation with tenant.

438—**Principles of Industrial Real Estate.** Four hours.
Prerequisites. Finance 330.
A principles and problems study course concerned with financial, managerial, and marketing phases of industrial real estate. The course will include city planning, zoning, and development of industrial sites.

440—**Transportation.** Four hours.
Prerequisites: Principles of economics, marketing, and junior standing.
The principles, practices and problems of transportation that prevail in the United States.

445—**Fire and Casualty Insurance.** Four hours.
Prerequisite: A previous course in insurance.
An analysis of the fire policy, consequential loss contracts, ocean and inland marine risks, automobile underwriting, business liability protection.

452-G452—**Investment Finance.** Four hours.
Prerequisite: Finance 450.
The techniques of investment analysis as applied to industrial, railroad, public utility, and other securities, with emphasis placed upon the importance of a knowledge of American industry.

475—**Government Contracting.** Four hours.
Prerequisite: Finance 310.
A course designed to inform the student of the opportunities and procedures of securing government contracts for business firms.

480-G480—**Financial Management.** Four hours.
A study of the theory of assembling, investing, and managing capital. The principles of choosing from among available, alternative combinations of short-term debt, long-term debt, and equity. The principles of evaluating and selecting capital projects; and the principles for combining capital and other inputs in such a way as to maximize efficiency and maintain liquidity.

492—**Independent Study.** Four hours.
A case problem to be worked out to meet the needs of the particular student; to include a research paper to be presented to the major professor and chairman of the department.

DEPARTMENT OF MANAGEMENT (MGT)

Martin Stegenga, Chairman
Howell, Ellis, Guess

The program of study in management has two major objectives: (1) to give

the student a broad perspective of the organization and operation of the modern business enterprise, with particular reference to its relationship to the economy as a whole and (2) to prepare the student, by specialized training, to begin employment which may lead to positions of managerial responsibility.

Students interested in the management field have the option of electing to major in either industrial management or personnel management. The industrial management option places emphasis on production activities, motion and time study, wage incentive methods, and the nature and characteristics of specific industries. The personnel management option emphasizes the study of collective bargaining, labor law and legislation, the administration of wage systems, and the administration of personnel with special reference to the human relations aspects of the business enterprise.

Careers in management are available in industry, government, and teaching. Beginning employment opportunities for which the management graduate is trained include such sample jobs as: job analyst, foreman, production scheduler and dispatcher, time study man, employment interviewer, assistant training supervisor, and junior management trainees. The student's broad education and training will, when coupled with additional maturity and experience, serve to further his career in more responsible management positions, such as production or plant manager, labor relations director, and personnel manager.

The recommended minor in management for a non-business major is Economics 251 and 252; Management 360; and four advanced courses in the Management Department.

Major—Personnel and Industrial Relations

Freshman and Sophomore Curriculum		106
Business Core		30
Major requirements as listed below		40
Accounting 300—Managerial Accounting, or an advanced econ. course	4	
Management 364—Personnel Management	4	
Management 370—Labor Law and Legislation	4	
Economics 410—Economics of Labor	4	
Finance 415—Government and Business	4	
Management 454—Human Relations	4	
Management 456—Industrial Training	2	
Management 468—Wage and Salary Administration	4	
Management 472—Collective Bargaining	4	
Management 474—Supervisory Management	2	
Management 484—Problems in Personnel Administration	4	
Electives		16

Major—General and Industrial Management

Freshman and Sophomore Curriculum		108
Business Core		30
Major requirements as listed below		38
Accounting 320—Cost Accounting	4	
Management 362—Introduction to Industrial Management	4	
Management 370—Labor Law and Legislation	4	
Finance 370—Applied Business Statistics	4	
Management 386—Industrial Safety	2	
Management 464—Time and Motion Study	4	
Management 466—Production and Quality Control	4	
Management 468—Wage and Salary Administration	4	
Management 476—Managerial Systems Analysis	4	
Management 482—Production Problems Seminar	4	
Electives		16
		125

COURSE DESCRIPTIONS (MGT)

360—**Principles of Management.** Four hours.
Basic management concepts and principles applied to the functions of planning, organization and control in business enterprise.

362—**Introduction to Industrial Management.** Four hours.
Prerequisite: Management 360.
The basic principles and policies in the management of an industrial plant, covering such topics as plant location and layout, purchasing, materials handling, maintenance, and production control systems.

364—**Personnel Management.** Four hours.
Prerequisite: Management 360.
A course covering the tools of personnel management, with principal emphasis on the major task of procuring, developing, maintaining, and using an effective work force.

370—**Labor Law and Legislation.** Four hours.
Prerequisite: Management 360.
A study of the development of legislation and of court decisions pertaining to labor relations. Special emphasis is given to the importance of legal principles involved in managerial decisions.

386—**Industrial Safety.** Two hours.
Prerequisite: Management 362.
A study of the nature, causes, and costs of industrial accidents and occupational diseases. An analysis of safety problems and procedures in establishing industrial safety programs

454—**Human Relations.** Four hours.
Prerequisite: Management 364.
A study of individual and group interaction and behavior in the business and industrial environment with emphasis on interpersonal and intergroup motivations and conflicts.

456—**Industrial Training.** Two hours.
Prerequisite: Management 364.
A study of the methods, procedures, and psychology in planning and organizing effective in-service training programs for employees and management.

464—**Motion and Time Study.** Four hours.
Prerequisites: Management 362 and Finance 300 or Mathematics 320.
A general course in the fundamentals of operation analysis, motion economy, micromotion techniques, time study, job standards, and fatigue and industrial efficiency.

466—**Production and Quality Control.** Four hours.
Prerequisites: Management 362 and Finance 300 or Mathematics 320.
An evaluation of some of the problems of management as they relate to the production and quality of output, with emphasis upon statistical methods and other management techniques to achieve acceptable quality in production at minimum cost.

468-G468—**Wage and Salary Administration.** Four hours.
Prerequisites: Management 362 or Management 364.
A study of wage and salary structures; preparation and use of job analyses, descriptions, and specifications; job evaluation, incentive systems, and individual wage determination; and wage surveys, fringe benefits, and merit rating systems.

472-G472—**Collective Bargaining.** Four hours.
Prerequisite: Management 370.
A study of the practices, techniques, procedures, methods, and legal and administrative requirements of collective bargaining, with a consideration of the points of view of the worker, the union, the employer, and the general public.

474—**Supervisory Management.** Two hours.

Prerequisite: Management 360 or Management 364.

A study of the responsibilities of the line supervisor; development of techniques and skills in job training, maintenance of morale, motivation, handling grievances, interviewing, and counseling through case studies, role playing, and conference procedures.

476—**Managerial Systems Analysis.** Four hours.

Prerequisite: Management 464.

An analysis of management systems and procedures techniques for improving managerial controls and reducing operating costs; includes a study of work measurement, forms control, Monte Carlo and queuing theories, and an introduction to electronic data processing concepts and business applications.

482-G482—**Production Problems Seminar.** Four hours.

Prerequisites: Management majors only and consent of adviser.

Special study of selected current problems in manufacturing production. A case approach to such problems as plant and warehouse location, selection and maintenance of equipment, product mix and quality, purchasing, and production controls.

484-G484—**Problems in Personnel Administration.** Four hours.

Prerequisites: Management majors only and consent of adviser.

An application through case analysis of the principles and techniques in personnel administration. A problems and case approach to develop proficiency in applying principles and developing decision-making ability.

DEPARTMENT OF MARKETING (MKT)

Richard C. Vreeland, Chairman
Sorbet, Williams, Bullard

There are three basic functions performed by any business organization: marketing, production, and finance. The goal of the Department of Marketing is to train students to fill competently positions as managers of the marketing function. It is necessary, therefore, that the student not only learn the subject of marketing but that he also master certain executive skills, of which ability to think is usually considered the most important. Other attributes of significance are the ability to: (1) solve problems, (2) communicate orally and in writing and (3) understand and work with people.

The context of marketing courses provides the student with a basic knowledge of marketing principles and techniques. The method used in teaching the material enables the student to develop the skills necessary to utilize this knowledge after graduation.

For a student not majoring in the School of Business Administration, a minor in marketing can be earned by completing 28 hours of courses in the following recommended sequence:

1. Finance 100, and Marketing 300
2. Marketing 330, 332, and 355 (select any two)
3. Marketing 400, 432 or 365 (select one)
4. Any two marketing electives

Students majoring in marketing are required to take a specialized program in either General Marketing, Sales and Sales Management, Advertising or Retail Management. In each of these programs a marketing core of three courses is essential and should be completed in the following recommended sequence during the senior year:

1. Marketing 370, Marketing Problems
2. Marketing 410, Marketing Research
3. Marketing 480, Marketing Management

The courses needed to complete an area of specialization are listed below:

General Marketing

Staff, Advisers

		Hours
Freshman and Sophomore curriculum		102
Business Core		30
Major requirements as listed below		32
Marketing 330—Salesmanship	4	
Marketing 332—Principles of Retailing	4	
Marketing 355—Principles of Advertising	4	
Marketing Core	12	
Marketing Electives	8	
Electives		28

Sales and Sales Management

Dr. Williams, Adviser

		Hours
Freshman and Sophomore curriculum		102
Business Core		30
Major requirements as listed below		32
Marketing 330—Salesmanship	4	
Marketing 400—Sales Management	4	
Marketing Core	12	
Marketing Electives	12	
Electives		28

Advertising

Dr. Sorbet, Adviser

		Hours
Freshman and Sophomore curriculum		102
Business Core		30
Major requirements as listed below		32
Marketing 355—Principles of Advertising	4	
Marketing 365—Advertising Copy and Layout	4	
Marketing 475—Promotion Development	4	
Marketing Core	12	
Marketing Electives	8	
Electives		28

Retail Management

Dr. Vreeland, Adviser

		Hours
Freshman and Sophomore curriculum		102
Business Core		30
Major requirements as listed below		40
Marketing 332—Principles of Retailing	4	
Marketing 435—Advanced Retailing	4	
Marketing 461 and 462—Retail Management Training	12	
Marketing Core	12	
Marketing Electives	8	
Electives		20

COURSE DESCRIPTIONS (MKT)

300—**Principles of Marketing.** Four hours.

A survey course designed to give a general understanding of marketing in present day society, the channels involved in the distribution of goods, the functions performed by the institutions and agencies in marketing.

330—**Salesmanship.** Four hours.

A study of the principles of persuasion as applied to the art of salesmanship.

332—Principles of Retailing. Four hours.

A survey course comprising an analysis of the factors underlying the successful operation of retail stores including location, stock arrangement, buying and selling, advertising and display, merchandise, planning and control, personnel management, and customer relations.

355—Principles of Advertising. Four hours.

A study of methods used to disseminate among groups information concerning goods and services, the sales promotional aspects of such dissemination, and the evaluation techniques available.

360—Credit and Collection. Four hours.

A study of the nature of credit in its relation to the distribution of goods, the management activities involved, and collection procedures available.

370—Marketing Problems. Four hours.

An introductory course in problem-solving techniques which emphasizes creative problem-solving methodology as applied to marketing.

375—Advanced Advertising. Four hours.

Prerequisite: Marketing 355.

A study of principles and techniques of advertising presentation adaptable to mass communication media and direct advertising.

400—Sales Management. Four hours.

Prerequisite: Marketing 330.

A study of the principles involved in the selection, training, and management of salesmen. Also considered is the application of these principles in order to make the selling function more efficient.

410-G410—Marketing Research. Four hours.

Prerequisite: Mathematics 320.

A study of principles and techniques used in marketing research to solve factual and qualitative marketing problems.

432—Advanced Retailing. Four hours.

Prerequisite: Marketing 332.

A study of the various operations performed in a retail store. The modified case method of instruction is used.

450—Industrial Marketing. Four hours.

Prerequisite: Marketing 300.

A study of the special problems involved in marketing materials, equipment, and supplies to manufacturers, other business firms, and institutions that use the goods in further production; determination of methods and policies appropriate to the goods and the marketing situations.

E461-E462—Retail Management Training. Six hours each.

Prerequisite: Permission of the Chairman of the Marketing Department.

Experience in the operation and management of retail activities. Work is to be done in a cooperating retail store. Management trainee is under the control of and makes reports to faculty supervisor.

Twelve hours of credit must be earned by the students. Part-time work will receive a maximum of six hours of credit per quarter. Full-time work will receive twelve hours of credit per quarter. The credit given for these courses will be extension credit rather than residence credit. This means the student cannot take this work his last quarter before graduating unless it is part-time work and he is carrying at least twelve hours of class work. The hours earned in 461-462 must be included in the amount of extension and correspondence credit which may be applied toward a degree.

475-G475—**Promotion Development.** Four hours.

Prerequisite: Marketing 355 or consent of instructor.

A study of the relationship of the business organization to the various interest groups which affect its promotional results, and the policies and procedures utilized in connection with such groups.

480-G480—**Marketing Management.** Four hours.

Prerequisite: Open only to majors or minors in marketing during their senior year.

A comprehensive course designed to synthesize the more specialized marketing knowledge of the student. The interrelation of all marketing activities in reaching the firm's objectives is emphasized through the study of case histories.

SCHOOL OF EDUCATION AND PSYCHOLOGY

Carl L. McQuagge, Dean

The University of Southern Mississippi, through its School of Education and Psychology, holds membership in the American Association of Colleges for Teacher Education. This membership is the basis for accreditation by the National Council for Accreditation of Teacher Education for those teacher-education programs operated by the University prior to 1952.

The teacher-education programs offered by the University on the undergraduate level fall into three major categories: elementary education, secondary education, and special areas. For details of graduate teacher-education programs, consult the graduate bulletin.

PURPOSES

The purposes of the School of Education and Psychology are: (1) to prepare teachers for the public schools and the colleges and universities of Mississippi and other states; (2) to offer, in addition to the undergraduate teacher-education programs categorized above, non-teaching degree programs on the undergraduate level in Library Science, Industrial Arts, Office Management, Executive Secretarial Studies, Psychology, and Recreation (for graduate level non-teaching degree programs, consult the graduate bulletin); (3) to provide clinical and professional services to the public schools of Mississippi and to the University; and (4) to promote educational and psychological research.

These purposes are achieved through: (1) the work of the various departments in the School; (2) clinics and offices for professional services, (3) cooperation with the public schools, and (4) cooperation with other colleges, schools, and divisions of the University in the development of teacher-education programs that meet requirements for Mississippi certification.

ADMISSION REQUIREMENTS

1. A "C" average on all courses undertaken.
2. Completion of the University's Basic College core.
3. No grade below "C" in Freshman English. (Courses with grades below "C" may be repeated to raise the grade)
4. An application for admission must be made to the School of Education and Psychology and approved by the Dean of the School. The application must show all college work completed, quality point average, and **a planned program for each quarter the student expects to be in the School of Education and Psychology.** In addition to the above, the student must indicate a major and a minor. A student enrolled in the Basic College of the University of Southern Mississippi will file a completed application for transfer from the Basic College. Transfers into the School of Education and Psychology from other colleges will be given tentative approval based upon an evaluation of the transcripts filed with the Admissions Office. Upon coming to the campus for registration, each transfer student will be required to file the program plan for each quarter required to complete his degree. When this is done the student will be given final approval for admission, clearing him for registration. (See instructions for filing applications and programs.)
5. All applicants will be screened for physical disabilities and personality traits that might impair the individual's effectiveness as a teacher. Teachers and advisers will observe student applicants and report to the Dean any student possessing a disability or trait they believe might impair the student's effectiveness as a teacher. Any student reported to the Dean will be carefully checked by a committee. If, in the judgment of the committee, the student's handicap will adversely affect the learning process he will be withdrawn from the teacher-education program.

TEACHER-EDUCATION PROGRAMS AND REQUIREMENTS

No program in teacher education is available to the student still enrolled in the Basic College. The student must be admitted to an upper-level college, school, or division of the University and must be approved for a teacher-educa-

tion program by the Dean of the School of Education and Psychology before entering upon the program.

Having completed the Basic College core, students enrolling in the School of Education and Psychology to seek teaching degrees must also complete the additional requirements of the School and the special requirements for the major and minor in teacher-education programs. These requirements are detailed below.

To prepare for a career in elementary education, grades one through eight, the student will major in Elementary Education and minor in an academic area, following the Elementary Education curriculum recommended below.

To prepare for a career in secondary education, grades seven through twelve, the student will major in an academic area and minor in Secondary Education, following the Secondary Education curriculum recommended below.

The academic majors available for certification in Secondary Education are:

Biology
Business Education (40-49 hours)
Chemistry
Economics*
English (45 hours)
French
General Science
General Speech
Geography*
German
History*
Home Economics (52 hours)**
Industrial Arts (44 hours)
Mathematics
Physics
Political Science*
Sociology*
Spanish

*Students majoring in economics, geography, history, political science, or sociology and minoring in secondary education must include in their degree programs the following courses: world history—8 quarter hours; American history—8 quarter hours; Mississippi history—4 quarter hours; economics—4 quarter hours; political science—4 quarter hours; geography—4 quarter hours.

**Home Economics majors will enroll in the Division of Home Economics, but will also apply to the School of Education and Psychology for approval of their secondary education teaching program.

The special areas in which teacher-education programs are available, grades one through twelve, are:

School of Fine Arts
- Art Education
- Music Education

School of Education and Psychology
- Audiology***
- Health and Physical Education (22 hours Health, 22 hours Physical Education)
- Language Disorders***
- Library Science
- Special Education
- Speech Pathology***

***Curricula for the Audiology, Language Disorders, and Speech Pathology majors will be found in the Department of Speech and Hearing Sciences of the College of Arts and Sciences. Any student preparing to become a special areas teacher in one of these major fields will enroll in the School of Education and Psychology, and will then be assigned to the Department of Speech and Hearing Sciences for courses in the major. The teaching degree will be awarded by the School of Education and Psychology.

TEACHING DEGREES

The student preparing to teach will normally pursue the Bachelor of Science

teaching degree which is offered only in the School of Education and Psychology. The major exception is Home Economics, as explained in the note above. The student preparing to teach may also pursue the Bachelor of Arts degree, with secondary education as the minor. This B.A. teaching degree may be awarded by either the College of Arts and Sciences or the School of Education and Psychology. However, if the student elects to pursue the B.A. degree from the College of Arts and Sciences with secondary education as a minor, the student's program must be approved by the Dean of the School of Education and Psychology (all requirements for admission into a teacher-education program being applicable).

CERTIFICATION

A student completing successfully any of the degree programs listed above will meet the requirements for certification in Mississippi. He will also meet the accrediting requirements of the National Council of Accreditation for Teacher Education, and will receive the University of Southern Mississippi's institutional endorsement. Such institutional endorsement means that the student will be certified automatically in about thirty states in addition to Mississippi.

COMBINED BASIC COLLEGE CORE AND SCHOOL OF EDUCATION AND PSYCHOLOGY REQUIREMENTS FOR TEACHING DEGREE

In addition to the Basic College core curriculum, the requirements of the School of Education and Psychology consist of courses essential to certification and institutional endorsement. These requirements vary for elementary and secondary education degree candidates. The National Teacher Examination is required of *all* candidates for the teaching degree.

Elementary Education

As noted above, a student preparing to be an elementary teacher majors in Elementary Education and takes an academic minor (28 hours except for General Science, and Fine Arts). See Part IV for information regarding minors. The combined requirements are:

English 101, 102, 103, 201, 202 or 433	20
History 101, 102	8
Science	16
Biological Science—8 hours	
Physical Science—8 hours	
Elementary Education majors may take Fundamentals of Science.	
Mathematics 100	4
Social Science	12
Political Science 101—4 hours	
Elect two courses from the following for 8 hours	
Economics 200 or 251	
Sociology 103 or 210	
Geography 103	
Other Courses—Students planning to enter the School of Education and Psychology must take the following	12
Health 179	
Public Address 101	
Psychology 201	
Music 165 or 310 or 320 or Art 120	4
Elementary Education Major	
Foundations Education 120, 416, 469	12
Elementary Education 266, 301, 305, 306, 307, 317, 343, 480**, or 482**	40
Art 107, 109 or 392 I, II	8
Music Education 361, 362	8
Mathematics 318	4
Educational Psychology 316	4
Science Education 432, 447	8
Physical Education 409	4

**See student teaching notes below.

Physical Education—six quarters (no-credit) 0
Military Science (for Men) 6
The minor and electives will constitute the balance of the degree requirements.

Secondary Education

As noted above, the student preparing to teach at the secondary school level takes an academic major in a subject-matter field and a minor in Secondary Education. Advisement in the subject matter area will be given by the department chairman or someone he designates. Advisement for professional education will be given by the Chairman of the Department of Secondary Education. The combined requirements are:

English 101, 102, 103, 201, 202 or 330 20
History 101, 102 8
Science 16
Non-Science Majors
Biological Science—8 hours
Physical Science—8 hours
Science majors must take laboratory sciences and should see requirements for majors in the sciences. Non-science majors may take Fundamentals of Science.
Mathematics (any four quarter hour course) 4
Social Science 12
Political Science 101—4 hours
Elect two courses from the following for 8 hours
Economics 200 or 251
Sociology 103 or 210
Geography 103
Other Courses—Students planning to enter the School of Education and Psychology must take the following 16
Health 179
Public Address 101
Psychology 201
Music 165 or Art 120
Secondary Education Minor
Secondary Education 328 or FED 120 4
Educational Psychology 332 and 319 8
Secondary Education 313, 451, and 481* 20
Foundations Education 469 4
Physical Education—six quarters (no credit) 0
Military Science (for Men) 6
Major requirements and electives will constitute the balance of the degree requirements.

*See student teaching below.

OFFICE OF STUDENT TEACHING

Ralph L. White, Director

Campbell, Cropp, Kinlaw, McPhail,
Parker, Rogers, Van Deusen, Coordinators

The basic purpose of the student teacher program is to provide all students in teacher-education with opportunities that will assist them in developing the skills and competencies necessary for a beginning teacher. The student teaching program provides an environment for a realistic evaluation of the strengths and weaknesses of prospective teachers.

All student teaching is done in off-campus cooperating schools designated by the Director of Student Teaching. The student teacher's assignment is for a full-day, full-quarter for which he earns twelve quarter hours credit. Super-

vision is provided by cooperating school personnel and faculty members of the University.

Each student must follow the procedure listed below in submitting both his request and application for student teaching.

REQUEST—Formal request must be submitted to the Office of Student Teaching during the registration period two quarters prior to student teaching. Request for fall quarter student teaching must be filed during the registration period of the previous winter quarter.

Application—On the day the student is regularly scheduled to register, one quarter prior to student teaching, the prospective student teacher must obtain his application for student teaching. The application must be completed and submitted with his adviser's signature within ten days.

All student teachers:

1. Must have completed a minimum of 132 quarter hours of college work.
2. Each candidate must have completed a minimum of 24 quarter hours in his major field, eight of which must have been taken in residence in this institution.
3. At the time the student submits his application he must have at least a 2.1 over-all grade average, and at least a 2.2 over-all grade average before being eligible for student teaching.
4. Candidates for student teaching in the elementary school must have completed the following courses: FED 120, EED 266, EED 301, EED 305, EED 307, and EPY 316.
5. Candidates for student teaching in the secondary school must have completed the following courses: FED 328 or 120, EPY 319, SED 451, and other methods.
6. Each candidate must have passed the English Proficiency Examination and scheduled the National Teachers Examination.
7. Each candidate must have completed all core requirements and filed his application for transfer from the Basic College.
8. The student will be expected to spend the entire school day in an off-campus school designated by the Director of Student Teaching.

Candidates for student teaching in the secondary school should register for SED 313, *Principles of Teaching in High School,* simultaneously with student teaching.

Candidates for student teaching in the elementary school should register for EED 343, *Methods and Materials in Elementary Education,* simultaneously with student teaching.

For specific requirements, see Elementary Education courses listed as EED 480, 482, 483, 485; and Secondary Education courses listed as SED 481 A through S, and SED 484 A through S.

In-service student teaching is designed for experienced teachers who in effect have proved their ability to plan and to carry out effective classroom procedures on their own initiative. Initial enrollment for this work is limited to the fall quarter and is open only to teachers who have had two years experience and who hold a full-time teaching position.

In-service student teaching is offered only during the fall and winter quarters—Part I during the fall quarter, and Part II during the winter quarter. The two parts of each course must be taken consecutively.

CURRICULAR REQUIREMENTS FOR NON-TEACHING DEGREES

The School of Education and Psychology offers major programs in Psychology, Library Science, Office Management, Executive Secretarial Studies, and Industrial Arts leading to the Bachelor of Science non-teaching degree. Students in Psychology and Library Science may take programs leading to the Bachelor of Arts degree. The requirements for these non-teaching degrees are listed below.

Bachelor of Science (Non-Teaching)

English 101, 102, 103, 201, 202 or 433	20
History 101, 102	8

Laboratory Science 12
Mathematics 4
Social Science 12
Political Science 101—4 hours.
Elect two courses from the following for 8 hours
Economics 200 or 251
Sociology 103 or 210
Geography 103
Other Courses in the Basic College .....12 or 20
*Philosophy 101 or 210
Fine Arts, Music 165 or Art 120
Public Address
Psychology 201
*Psychology 202
Physical Education non-credit (six quarters) 0
Military Science (for Men) 6

Major requirements and electives will constitute the balance of the degree requirements.

*Required for Psychology majors only.

Bachelor of Arts

Same as Bachelor of Science Non-teaching degree with the addition of twelve (12) to eighteen (18) hours of a Foreign Language.

SPECIAL SCHOOL SERVICES

Audio-Visual Center

S. L. Knight, Director

Recognizing a need for audio-visual services in the state, the University of Southern Mississippi has established an Audio-Visual Center on the campus. Activities of the Center include a film service for Mississippi schools, a program for the use of audio-visual materials in college classes, and courses in audio-visual education taught both on and off the campus.

The Center is prepared to assist local schools in setting up a program for the use of audio-visual materials, and to assist through in-service and pre-service training in the interpretation of the values derived from the use of audio-visual instructional aids in education.

The film collection of the Audio-Visual Center comprises over 1,650 reels on educational subjects. The collection includes University-owned films and films deposited by members of the South Mississippi Educational Film Association. Through a cooperative agreement member schools buy a specified number of films which may be used each week from the total collection of the film library. Thus an educational film service is provided for the schools of Mississippi at a fractional part of rental charges customary with commercial film libraries. This cooperative film service has been in operation for a period of fifteen years with a success which predicts a permanently functioning organization.

The film library, one of forty-nine in the United States with over 1,000 primary instructional films, is an important part of the audio-visual courses providing many stimulating opportunities for students enrolled in audio-visual education.

Any school interested in membership in the South Mississippi Educational Film Association should write to the Director, Audio-Visual Center, University of Southern Mississippi, for further information.

Psychological and Special Education Clinic

L. Erl Mehearg, Director

The University of Southern Mississippi, through the Psychological and Special Education Clinic, affords students opportunity for clinical experience in

addition to the course work in the several areas of special education and psychology. The program provides for experience in diagnostic testing and psychological appraisal, and for working with both children and adults in the Psychological Clinic setting.

Members of the clinic staff and the psychology department serve on the regional screening team which assists the public schools of the area in psychological appraisal of children and the determination of eligibility for placement in special education classes. The staff works very closely with the State Supervisor of Special Education and with state school systems, to provide students with excellent practicum facilities and experience.

The Reading Clinic

Eric L. Thurston, Director

The functions of the Reading Clinic are varied and relate primarily to educating teachers in methods, techniques, and materials for effective reading instruction in the classroom. Additional functions include the training of specialists in reading with emphasis on either classroom teaching or clinical work. A diagnostic and remedial program is offered for children referred to the Clinic. The staff provides consultative services to schools.

Children may be referred to the Clinic by superintendents, teachers, parents, vision specialists, and other agencies. The fee for a complete educational diagnosis and a suggested program for remedial procedures is $20.00 or a proportionate part, based on ability to pay. The re-evaluation fee is $5.00.

Daily instruction is given to out-of-town and local children throughout the school year and through the summer months. If a child is enrolled in the clinic for individual remedial instruction, the fee is $20.00 per month. It is usually desirable to have a child receive instruction four periods a week. The total number of hours for remedial training required by a child will vary with the extent and type of difficulty exhibited.

University Reading Center

Testing, counseling, and instruction are provided in several areas of reading: increasing speed of comprehension, developing vocabulary, and improving study skills and habits.

There is no charge for this service to University students.

Speech and Hearing Clinic

Robert W. Peters, Director

The Speech and Hearing Clinic is operated by the Department of Speech and Hearing Sciences in the College of Arts and Sciences, but it works with the School of Education and Psychology very closely in the preparation of Special Education teachers.

This Clinic has a dual function. It provides facilities for the training of specialists in the area of clinical speech and audiology, and provides clinical services for persons with speech and hearing problems.

The Clinic's services include both diagnostic examinations and therapy programs for both children and adults who have speech or hearing problems. These services are available to both University students and members of the community at nominal fees.

Speech and Hearing Clinic Services:

Audiometric pure tone test	$ 5.00
Diagnostic Hearing Evaluation	10.00
Hearing aid evaluation	15.00
Hearing evaluation for medical-legal compensation claims	25.00
Diagnostic Speech evaluation	10.00
Speech or Hearing Therapy fees per session	2.00
Therapy fees for college students per quarter	5.00

DEPARTMENT OF BUSINESS EDUCATION

Annelle Bonner, Acting Chairman
Reck, Ewell, Baldwin, Cameron

The Department of Business Education offers curricula in business teacher education, office management, a four-year program in executive secretarial studies, and a two-year program leading to a specialized certificate in secretarial training.

The student who plans to teach business subjects on the high school level will follow the curriculum prescriptions which lead to the Bachelor of Science teaching degree. He will enroll in the School of Education and Psychology upon completion of his work in the Basic College and, therefore, must meet the admission requirements for that school. His major field of concentration will be in business subject matter prescribed by the Department of Business Education. The professional education and psychology requirements constitute the minor.

The recommended minor in secretarial studies is 12 hours in typewriting, 12 hours in shorthand, and 12 hours in advanced business education courses. A year of typewriting and a year of shorthand taken in high school will reduce the number of recommended hours to 28.

To complete the curriculum requirements in business teacher education, executive secretarial studies, or secretarial training, one course in typewriting and one course in shorthand must be taken at the University of Southern Mississippi. A student with one year of typewriting in high school cannot get credit for BED 101, and a student with one year of shorthand in high school cannot get credit for BED 201. A student who has had more work than this in either or both fields should consult with the Chairman of the Department of Business Education about the appropriate beginning courses for his program. With special permission from the department chairman, a student may graduate with a major in business teacher education without shorthand. In this case, the Class A teaching certificate will reveal this inadequacy.

Business Teacher Education

College Core requirements	76 or 82	
English 101, 102, 103	12	
English 201	4	
English 202 or 433	4	
History 101, 102	8	
Mathematics	4	
Science—Biological and Physical (May be Fundamentals of Science)	16	
Political Science 101	4	
Economics 251	4	
Health 179	4	
Sociology 103 or 210, or Geography 103	4	
Public Address 101	4	
Psychology 201	4	
Fine Arts	4	
Physical Education (one course each quarter for six quarters)	0	
Military Science (for men)	6	
Professional education and psychology		36
These courses constitute the minor in business teacher education. The special methods course is SED 451A.		
Departmental subject matter requirements		80
BED 101, 102, 310; BED 201, 202, 305, 371, 372; ACC 201, 202, 203; BED 300, 352, 354, 385, 450, 460; ECO 252; FIN 310, 389; and one course elected from MKT 300, ECO 330, or MGT 360. Business skills courses taken in high school will reduce the total number of hours required for the major.		
Electives to complete a total of 192 hours		
		192

Office Management

Freshman and sophomore curriculum		102
English 101, 102, 103, 202 or 433	20	
History 101, 102	8	
Science—Biological and Physical (May be Fundamentals of Science)	16	
Mathematics	8	
(Mathematics 100 or Algebra 101, Mathematics 112 or 320)		
Social Science	12	
Political Science 101	4	
Economics 251	4	
Elect one course from these four: Economics 252, Sociology 103 or 210, Geography 103	4	
Health 179	4	
Public Address 101	4	
Psychology 201	4	
Music 165 or Art 120	4	
Accounting 201, 202, 203	12	
Physical Education (one course each quarter for six quarters)	0	
Military Science (for men)	6	
Electives to complete 102 hours	4	
		102
Major requirements		74
Business Education 101, 102, 310—Typewriting	12	
Business Education 300—Business Writing	4	
Business Education 352—Filing Systems and Records Management	2	
Business Education 354—Problems in Typewriting	2	
Business Education 385—Office Practice and Procedures	4	
Business Education 450—Office Appliances	4	
Business Education 460—Office Management	4	
Marketing 300—Principles of Marketing	4	
Finance 310, 311—Business Law, 375—Report Writing, and 389—Corporation Finance	14	
Economics 330—Money and Banking	4	
Management 364—Personnel Management, 454—Human Relations, and 464—Motion and Time Study	12	
Psychology 202—Applied Psychology	4	
Psychology 449—Industrial Psychology	4	
*See note below relative to business skills courses.		
Electives to total 192 hours		16
		192

Executive Secretarial Studies

Freshman and sophomore curriculum		102
The same curriculum as shown for Office Management with these exceptions: Only four hours of mathematics are required and only eight hours of accounting.		
Major requirements		72
*Business Education 101, 102, 310—Typewriting	12	
*Business Education 201, 202, 305, 371, 372—Shorthand	20	
Business Education 300—Business Writing	4	
Business Education 352—Filing Systems and Records Management	2	
Business Education 354—Problems in Typewriting	2	
Business Education 385—Office Practice and Procedures	4	
Business Education 450—Office Appliances	4	
Business Education 460—Office Management	4	
Marketing 300—Principles of Marketing	4	
		139

Finance 310, 311—Business Law, 389—Corporation Finance	12	
Economics 330—Money and Banking	4	
*Business skills courses taken in high school will reduce the total number of hours required for the major. Hours thus saved may be applied to these recommended courses: Finance 100—**Introduction to Business,** and 454—**Human Relations.**		
Electives to total 192 hours		18
		192

Secretarial Training
Two-Year Curriculum

Required general education courses		24
English 101, 102, 103—English Composition	12	
Public Address 101—Oral Communication	4	
Mathematics 100—Basic Mathematics or 101—Algebra	4	
Physical Education—Activity courses (one each quarter)	0	
Social Studies—Government 101, History 101 or 102, Sociology 103, Geography 143, or Psychology 201	4	
Required business courses as listed below		68
*Business Education 101, 102, and 310—Typewriting	12	
*Business Education 201, 202, 305, 371, and 372—Shorthand	20	
Business Education 300—Business Writing	4	
Business Education 352—Filing Systems and Records Management	2	
Business Education 354—Problems in Typewriting	2	
Business Education 385—Office Practice and Procedures	4	
Business Education 450—Office Appliances	4	
Business Education 460—Office Management	4	
Accounting 201 and 202—Principles of Accounting	8	
Economics 251—Principles of Economics	4	
Finance 310—Business Law	4	
Elective		4
		96

*A student who has had one year of typewriting in high school will start his program with BED 102, and a year of shorthand in high school, with BED 202. The hours saved are to be used on the following courses: FIN 100, ECO 252, ACC 203, MKT 300, FIN 375; SED 334; or the Social Studies courses listed in the general education requirements.

BUSINESS EDUCATION COURSES (BED)

101—**Elementary Typewriting.** Four hours.

This course is for beginners in typewriting. Emphasis is given to acquiring keyboard control, developing correct typewriting techniques, and applying this acquired skill to letter writing and simple tabulated reports. No credit is given to a student whose high school transcript shows one unit in typewriting.

102—**Intermediate Typewriting.** Four hours.

Prerequisite: BED 101 or equivalent.

A review of keyboard and manipulative controls, with emphasis on letter styles, manuscripts, and tabulated reports. Students who have had more than one year of typewriting in high school should enroll in BED 310.

201—**Beginning Shorthand.** Four hours.

The theory and practice of Gregg shorthand, with emphasis on fluency of writing and reading; a limited amount of dictation and transcription. English 101, 102, and 103 to be taken concurrently or to have been completed previously.

202—**Intermediate Shorthand.** Four hours.

Prerequisite: BED 201 or equivalent.

Completion of theory of Gregg shorthand, with some emphasis on dictation and transcription. English 101, 102, and 103 to be taken concurrently or to have been completed.

300—**Business Writing.** Four hours.

Prerequisite: English 101, 102, and 103, and ability to typewrite.

A study of principles and techniques used in writing effective business letters, memorandums, and other forms of business communication. Emphasis is placed on analyzing and solving business problems through written communication.

305—**Dictation and Transcription.** Four hours.

Prerequisite: BED 202 or two years of high school shorthand.

A constant automatic review of shorthand theory, developing the student's shorthand speed and emphasizing mailable transcripts.

310—**Advanced Typewriting.** Four hours.

Prerequisite: BED 102 or equivalent.

Preparation of stencils, business forms, and legal documents; additional emphasis on tabulations, manuscripts, and letter forms, as well as on speed and accuracy.

340—**Adding and Calculator Machine Operation.** Two hours.

Sufficient practice provided to develop a thorough working knowledge of the operations involved in the use of the following machines: rotary printing and key-driven calculators, and full keyboard and ten-key adding machines. As an integral part of the course, review is given in the fundamentals of business mathematics. This course may not be taken for credit by a student who has had BED 450 or its equivalent.

352—**Filing Systems and Records Management.** Two hours.

An introduction to major filing systems in business, with a study of standard rules for alphabetizing, practice in the use of common systems of filing, and the application of filing principles to specific types of businesses.

354—**Problems in Typewriting.** Two hours.

Prerequisite: BED 310.

A review of techniques in skill building, with development of speed and accuracy in typing a variety of office forms and emphasis on shortcuts in production typewriting.

371—**Advanced Dictation and Transcription.** Four hours.

Prerequisite: BED 305.

Emphasis on office style dictation using the vocabulary of different types of businesses.

372—**Executive Secretarial Shorthand.** Four hours.

Prerequisite: BED 371.

The finishing course in shorthand dictation and transcription, with primary emphasis on mailable copy.

385—**Office Practice and Procedures.** Four hours.

Prerequisite: BED 102 or equivalent.

A course covering practical secretarial problems and the developing of an employable personality.

450—**Office Appliances.** Four hours.

Prerequisite: BED 101 or equivalent.

Sufficient practice to develop a thorough working knowledge of the operations involved on calculators, adding machines, posting machines, transcribers, electric typewriters, mimeoscope, and direct process mimeograph duplicators. This course may not be taken for credit by a student who has had BED 340 or its equivalent.

460-G460—**Office Management.** Four hours.

A study of the principles of management as applied to office work, covering office organization, supervision, layout, supplies, machines, personnel, office forms and reports, and office services.

DEPARTMENT OF EDUCATIONAL FOUNDATIONS (FED)

H. B. Easterling, Chairman

Cropp, Gunn, Ralph White, McQuagge, Knight, Lucas, Kinlaw, Willers

The Department of Educational Foundations is essentially a service department. It offers no degree programs or majors. Its purpose is to offer courses in education required by a number of departments in the University; also, those courses not specifically identified with the subject matter of any given department in the School.

FED 46—**Improvement of Learning.** No credit.

FED 120—**The Teacher and the Community.** Four hours.

An orientation course designed to introduce the student to different phases of education and psychology, to prepare him for advanced courses, and to help him decide in what field he would like to work.

FED 328—**Foundations in Education.** Four hours.

The background, bases, underlying principles, purposes, organization, and trends in education in the United States.

Juniors and seniors may take this course in lieu of Education 120.

FED 334—**Improvement of Study.** Two hours.

Prerequisite: Permission of the instructor.

An analysis of effective study techniques for use by secondary school teachers. Useful for college students who wish to improve their own reading and study habits.

FED 336—**Principles of Guidance.** Four hours.

An introductory course dealing with the fundamental philosophy, methods, and organization of guidance services in the public schools.

FED 416 or G416—**Audio-Visual Education.** Four hours.

A general course for teachers with emphasis upon sound and visual classroom teaching aids. Careful attention given to the sources, selection, preparation, and uses of audio-visual materials.

FED 469 or G469—**Tests and Measurements.** Four hours.

Consideration of good evaluative practices in elementary and high schools, the preparation and use of informal objectives and essay-type tests, a study of typical standard tests, and an introduction to elementary statistical procedures.

DEPARTMENT OF ELEMENTARY EDUCATION (EED)

Leo R. Miller, Chairman

Dent, Easterling, McPhail, Thurston, Van Deusen, Wall

Students preparing to teach in elementary schools will major in elementary education and minor in a related academic field. The **University core, professional requirements,** and **School requirements** will be found under teacher-education programs in the preceding pages. Any major area may be used as a minor. The minor requires twenty-eight (28) quarter hours except for General Science and Fine Arts. The requirements for these are thirty-six (36) and thirty-two (32) hours respectively. The minor must be approved by the adviser.

The courses that an elementary education major should take each year are listed below.

Freshman

	Quarter hours
English 101, 102, 103	12
History 101, 102	8
Biology 101, 102 or F.S. 104 and 105	8
Math 100	4
Physical Education Activity Courses—3 quarters	0
FED 120	4
Art 107	4

Political Science 101	4
Military Science 101, 102, 103 (for men)	3
Sophomore	
English 201 and 202 or 330	8
Speech 101	4
Geography 103	4
Art 109 or Art 392	4
Psychology 201	4
Elementary Education 266	4
Music Education 361, 362	8
Physical Education Activity Courses—3 quarters	0
Health 179	4
Science	4
Music 165 or Art 120	4
Military Science 201, 202, 203 (for men)	3
Junior Year	
Elementary Education 301—Arithmetic for Children	4
Elementary Education 305—Teaching of Social Studies	4
Elementary Education 307—Teaching Developmental Reading	4
Elementary Education 306—The Language Arts	4
FED 416—Audio-Visual Education	4
Elementary Education 317—Literature for Children	4
Educational Psychology 316—Human Growth and Development Part I: Child	4
Physical Education 409—Physical Education in the Elementary School	4
SCE 432 (or Geography 376)	4
SCE 447	4
Minor Field Selection and Electives	14
Senior Year	
Elementary Education 343—Methods and Materials in the Elementary School	4
FED 469—Tests and Measurements	4
Elementary Education 480-482 or 483-485—Directed Teaching	12
Minor Field Selection and Electives	30

ELEMENTARY EDUCATION COURSES (EED)

EED 266—**The Modern Elementary School.** Four hours.

An introduction to elementary education stressing school organization, curriculum, materials and methods in the elementary school, the daily schedule, school reports, and the personality of the teacher as a factor in success.

EED 301—**Methods and Materials in Arithmetic.** Four hours.

A course in the methods of teaching arithmetic in the elementary grades. Special attention is given to developing an understanding of numbers, teaching basic combinations, and the use of arithmetic textbooks and workbooks.

EED 303—**Kindergarten-Primary Education.** Four hours.

A study of the contributions which group living makes to the mental and physical health of young children, with emphasis upon child development research in curricular experiences and records. Designed to help teacher and parents understand the readiness program. Laboratory is included.

EED 305—**Social Studies in the Elementary Grades.** Four hours.

Social studies in the broad fields and core curriculum with emphasis on objectives and content. Areas, sequence of units, and the evaluation of social studies units for elementary grades is stressed. Preparation and presentation of a complete social studies unit is required.

EED 306—**Language Arts in the Elementary School.** Four hours.

A course dealing with the development of skills in writing, spelling, listening, speaking, and related fields.

EED 307—**Teaching Developmental Reading.** Four hours.

Effective methods of teaching reading in the classroom.

EED 309—**Developing Skills in Reading.** Four hours.
Prerequisite: EED 307.
An intensive study of the skills required in reading; methods and materials used to teach the skills; and the classroom techniques for evaluating proficiency in the development of reading skills.

EED 317—**Methods and Materials in Children's Literature.** Four hours.
Reading in mythology, legend, history, biography, fiction and poetry. Narrative and dramatic presentation. Comparative editions, graded bibliographies, and standard practice in building collections of books for children.

EED 343—**Methods and Materials in Elementary Education.** Four hours.
An examination of materials and their relatedness to methods. Stresses approved techniques in light of research in these fields: language arts, social studies, number relationships, handwriting, spelling, science, health, and creative experiences.

EED 390 or G 390—**The Reading Conference I, II, III.** One and one-half hours each.
An intensive program for five days during the summer quarter consisting of lectures, group discussions, and demonstration lessons.

EED 421 or G 421—**Clinical Procedures in Reading I.** Four hours.
Prerequisite: EED 309.
A specialized course in diagnostic and remedial reading with emphasis upon educational and psychological testing and the analysis of reading difficulties. Provides clinical practice in testing and remedial work.

EED 422 or G 422—**Clinical Procedures in Reading II.** Four hours.
Prerequisites: EED 421.
An advanced course in reading clinic procedures. Experience provided in serving as assistant in the reading clinic, administering tests, and testing remedial cases or groups.

EED 480—**Student Teaching in Lower Elementary.** Twelve hours.
Prerequisites: EED 120, 266, 301, 305, 307, and 343, and EPY 316.
Students arrange for this course with director of student teaching two quarters in advance.

EED 482—**Student Teaching in Upper Elementary.** Twelve hours.
See statement under EED 480.

EED 483—**Student Teaching In-Service—Lower Elementary I, II.** Five hours each.
In-service student teachers must have two years teaching experience prior to enrolling for in-service student teaching. See statement under EED 480.

EED 485—**Student Teaching In-Service—Upper Elementary I, II.** Five hours each.
See statement under EED 480.

EED 490 or G490—**Workshop in Aviation Education.** Four hours.

EED 496—**Projects in Elementary Education I, II, III.** Four hours each.
Designed for school systems planning local projects of curriculum revision and course of study construction. Available for credit more than once if projects require more than one quarter to complete.

DEPARTMENT OF GUIDANCE (GED)

Herman Boroughs, Chairman
Gutsch, Weatherford

The Department of Guidance offers separate curricula at the graduate level to prepare candidates in three areas of personnel and guidance work. These areas are: (1) public school counselors, (2) college and junior college counselors, personnel workers and specialists, and (3) counselors, personnel workers and specialists in community agencies. See the graduate bulletin for the course patterns of each curriculum mentioned. (Note: The courses in Guidance FED 336, GED 506, 522, 571, 581, 582, 587, 593, I, II, III; are offered to meet Mississippi State Department of Education requirements for certification as a school counselor.)

DEPARTMENT OF HEALTH, PHYSICAL EDUCATION, AND RECREATION

J. Lloyd Milam, Chairman

Instructors: Alexander, Brown, Gough, Grantham, James, Johnson, King, McDavid, Milam, Myers, Nesbitt, Sacksteder, Slay, Switzer, Townley, Warren, Yarrow.

Varsity Coaches: Berry, Clark, Floyd, Green, Harrington, Lambright, Taylor, Underwood, Vann, Van Hook.

Specialists in Therapy: E. A. Hiller, Director, Biloxi Veterans Administration Center; E. L. Maddry, M.D.; W. B. Hawkins, M.D.; W. A. Dodson, M.D.; K. M. Clements, M.D.; R. A. Parrish; O. W. Stringer.

PURPOSES

The health, physical education and recreation program is operated for the following purposes: (1) to promote the health and fitness of University students by training in exercise habits; (2) to build a basis in scientific information for good health attitudes and habits; (3) to offer opportunities for recreation; (4) to prepare teachers, coaches, health educators, supervisors, administrators, recreation directors, and other specialists in the field of school and community health and safety, physical education, and recreation.

Non-credit physical education activity courses are required of all students during the freshman and sophomore years: one each quarter for six quarters (excluding the summer quarter). Varsity athletes, and members of the Band and Dixie Darlings will be excused from this requirement while participating in a varsity sport or rehearsing for halftime shows in fall quarters, etc. No non-credit activity course may be repeated. Students are required to have suitable uniforms as determined by the Department.

These non-credit activity courses are:

Freshman year:	fall quarter P. E. 43	winter quarter P. E. 44	spring quarter P. E. 45
Sophomore year:	fall quarter P. E. 57	winter quarter P. E. 58	spring quarter P. E. 59

The Department emphasizes the close relationship of health, physical education, and recreation courses to each other. Students majoring in the Department are expected to acquire an understanding of this relationship to enrich whatever area of special concentration they may eventually select.

Beyond the basic introductory and general courses, the Department offers: (1) a B.S. teaching-degree major in Health and Physical Education; (2) a pre-professional program leading to advanced work in Corrective Therapy; (3) a B.S. non-teaching degree major in Recreation; and (4) a minor in Dance for those students who demonstrate exceptional qualifications in the dance arts.

Bachelor of Science Teaching Degree in Health and Physical Education

The major in Health and Physical Education for the B.S. teaching degree requires 44 quarter hours with a minimum of 22 hours in health, and the remainder of the 44-hour requirement in physical education courses.

Recommended courses in the major include:

Health: 452, 482, and 484; and **Biology** 228 and 229.

Physical Education: 379, 401, 402, 403, 409, 410, 411, 412 (women students will substitute 400 for 402, and 314 for 410).

Since many school systems require their health and physical education teachers to be competent in teaching some other subject also (usually in the life sciences), the Department encourages its Health and Physical Education majors

to meet the certification requirement for endorsement as a teacher in science. Students may be endorsed by the State Department of Education if they have completed 48 hours of science, at least 24 of which are in the area in which they expect to teach. Students expecting to teach Biology will be endorsed by the State Department of Education if they complete, in addition to the required Health and Physical Education curriculum, **Biology** 104, 339, and 401. This curriculum is mandatory for students wishing to be endorsed as biology teachers, who enter the University as freshmen. Transfer students should consult their academic advisers.

Pre-Professional Program in Corrective Therapy

The pre-professional program leading to advanced work in Corrective Therapy requires a solid background of Health and Physical Education courses, as preparation for a year of course work and clinical experience at Veterans Administration centers in Biloxi and Gulfport. Because of the high requirements, any student interested in this program should plan his curriculum with the Chairman of the Department as early as possible in his college career.

BACHELOR OF SCIENCE NON-TEACHING DEGREE IN RECREATION

The recreation specialist who does not intend to teach may secure a B.S. degree by following the curriculum summarized below:

A. Basic College Core Curriculum

B. School and Department Requirements

A major from the Department, which must include:
Recreation 420, 430, 433, 440, 445, 450, 469, 470, 474, 481, 488

A minor from areas related to recreation, selected with the approval of the major adviser. Among the related areas are:

(1) Sports and Games: individual and group (Physical Education)
(2) Dance: folk, square, modern, social (Physical Education)
(3) Arts and Crafts: painting, ceramics, woodwork, leathercraft, photography (Fine Arts and Industrial Arts)
(4) Industrial Arts: building construction (Industrial Arts)
(5) Music: appreciation, fundamentals, recreational (Music)
(6) Dramatics: public address, theatre (Communication, Theatre)
(7) Administrative: personnel and office management, accounting, economics, marketing (Business Administration)
(8) Sociology: urban and rural, social problems, family and delinquency problems, social work methods, social institutions (Sociology)
(9) Psychology: applied, social, abnormal, industrial (Psychology)
(10) Political Science: public administration; municipal, county, and state government (Political Science)
(11) Philosophy: introduction, logic, ethics (Philosophy)
(12) Education: guidance, special, audio-visual (Education)

Students may concentrate in one of several special areas within the broad field of Recreation: Recreation Leadership, Municipal Administration, Park Management, Camping and Outdoor Education, Agency Administration, Church Recreation, College Recreation, Hospital or Institutional Recreation, Military Recreation, Industrial and Commercial Recreation. Although course requirements within the Department are essentially the same for all special areas, students will be guided into programs of elective courses according to their areas of concentration.

OTHER PROGRAMS

The Department also offers a minor in Dance. When this minor is completed, the students are eligible to receive a **Dance Instructor's Certificate** issued by the University of Southern Mississippi. This curriculum includes **Physical Education** 341, 342, 351, 352, 353, 354, 355, 356, 371, 372, 380, 408, 423; **Health** 452, 482; **Biology** 228; **SED** 451P.

In addition to the degree recognition of proficiency, all health, physical education, and recreation majors are encouraged to acquire the following instructors certificates, either through the curriculum indicated or outside it:

Driver Education Instructor's Certificate

Issued by the Mississippi State Department of Education and the American Automobile Association (Health 437, 333, 335)

Swimming and Water Safety Instructor's Certificate

Issued by the American Red Cross (PE 363, 403, 404, and 411)

First Aid Instructor's Certificate

Issued by the American Red Cross (Health 333 and 343)

Instructor's Certificate in Marksmanship

Issued by the Rifle Association of America.

HEALTH COURSES (HTH)

HTH 34—**Personal and Social Development (women).** No credit.

A program aimed at self-enhancement of the individual student, with emphases on the development of personal attributes and social competence through practical demonstration and class interaction.

HTH 127—**Community Health.** Four hours.

Community control of environmental health hazards, community control of disease; health agencies.

HTH 135—**Foundations of Human Relations.** Four hours.

The development of the qualities of human personality.

HTH 179—**Personal Health.** Four hours.

The human body and its functioning as related to problems of health and disease.

HTH 333—**First Aid.** Two hours.

Standard first aid as approved by the American Red Cross. Emphasis on preparing students in the knowledge and skills needed in preventing accidents as well as rendering first aid to the sick and injured.

HTH 335—**Safety Education.** Two hours.

A study of the general program of safety education in public schools, with special reference to the selection and organization of materials, including the methods and techniques of instruction: visual aids, safety projects, special programs, and the utilization of new methods of civil defense.

HTH 343—**Advanced and Instructor First Aid.** Two hours.

Prerequisite: Health 333.

An advanced study certifying personnel to conduct first aid courses in schools and community, and new methods of civil defense.

HTH 425—**Problems of Child Health.** Four hours.

Prerequisites: Health 179 and junior standing.

Child safety, nutrition, diseases of children, mental health of children, growth.

HTH 431—**Sanitation.** Four hours.

Problems of sanitation in the home and school, in food, producing and handling, water supply, waste and excreta disposal. Based on an understanding of general biology.

HTH 437 or G437—**Driver Education.** Four hours.

Driver education provides an opportunity for public school teachers to be certified covering such items as program of instruction, use of training cars, delegation of authority, legal responsibilities, and qualifications of teachers.

HTH 452 or G452—**Physiology of Exercise.** Four hours.

A study of the physiological changes which occur in the body during muscular activity. Based on a general understanding of the human body.

HTH 454—**Health Education in Elementary Schools.** Four hours.

Methods and materials for the elementary teacher, with special emphasis on instruction and on coordination of school and community health programs.

HTH 455—**Health Education in Secondary Schools.** Four hours.

Primarily for students majoring or minoring in health and physical education. Materials and techniques for high school teachers of health; conducting the school health program at the secondary level.

HTH 482 or G482—**Kinesiology.** Four hours.

Analysis of movement based on a knowledge of anatomy and physiology as applied to the function of muscles in body mechanics.

HTH 483—**School Health.** Four hours.

Organization and operation of the school health program, with emphasis on policies, procedures, problems, cooperating agencies, and field work.

HTH 484 or G484—**Evaluation in Health and Physical Education.** Four hours.

Open to qualified seniors and graduates.

Tests in health, fitness, strength, skills, and abilities. Administration and interpretation.

HTH 485—**Marriage and Family Life.** Four hours.

Physical, emotional, and medical basis and preparation for successful courtship, marriage, and parenthood.

PHYSICAL EDUCATION COURSES (PE)

Six quarters of physical education courses are required of all students. One should have a minimum of one course each in aquatics, rhythms, and individual or dual sports. Non-credit activity courses can not be repeated.

PE 300—**Varsity-Football.** One hour.

PE 301—**Varsity-Basketball.** One hour.

PE 302—**Varsity-Baseball.** One hour.

PE 303—**Varsity-Track and Field.** One hour.

PE 304—**Varsity-Tennis.** One hour.

PE 305—**Varsity-Golf.** One hour.

PE 312—**Softball for Women.** One hour.

PE 313—**Soccer and Speedball for Women.** One hour.

PE 314—**Teaching and Officiating Team Sports for Women.** Four hours.

Soccer, speedball, field hockey, basketball, volleyball, softball, organization G.A.A., intramural, tournament; official sports ratings given.

PE 315—**Calisthenics and Tumbling for Women.** One hour. (Beginning)

PE 316—**Calisthenics and Tumbling for Women.** One hour. (Advanced)

PE 317—**Techniques of Teaching Tumbling and Calisthenics.** (Beginning) Two hours.

PE 320—**Women's Basketball.** One hour.

Offered winter quarter only.

Open to women desiring to improve their skill and both men and women students desiring to qualify as coaches and officials for women's basketball. National rating examinations given.

PE 321—**Volleyball.** One hour.

PE 322—**Care of Athletics Injuries.** Two hours.

The care and prevention of athletic injuries. Taping and wrapping all parts of the body.

PE 326—**Beginning Badminton.** One hour.

PE 327—**Advanced Badminton.** One hour.

PE 328—**Beginning Archery.** One hour.

PE 329—**Advanced Archery.** One hour.

PE 330—**Beginning Golf.** One hour.

PE 331—**Advanced Golf.** One hour.

PE 341—**Square Dancing.** One hour.

PE 342—**Folk, contra, and round dances.** One hour.

PE 349—**Beginning Bowling.** One hour.

PE 350—**Advanced Bowling.** One hour.

PE 351—**Beginning Modern Dance.** One hour.

Emphasis on beginning techniques and movement fundamentals.

No prerequisites.

PE 352—**Intermediate Modern Dance.** One hour.

Continuation of 351 or by permission of instructor.

PE 353—**Advanced Modern Dance.** One hour.

Continuation of 352 with added emphasis on simple composition and improvisation.

Prerequisite is 352 or by permission of instructor.

PE 354—**Composition.** One hour.

Prerequisite is 353 or by permission of instructor. Fall Quarter.

PE 355—**Advanced Composition.** One hour.

Prerequisite is 354 or by permission of the instructor. Winter Quarter.

The planning, composing and presenting of group and solo dances for performance.

PE 356—**Production, Performance and Techniques of Teaching.** One hour.

Prerequisite is 355 or by permission of the instructor. Spring Quarter.

Attendance in Modern Dance Club is Compulsory

PE 363—**Beginning Swimming.** One hour.

PE 364—**Advanced Swimming.** One hour.

PE 365—**Beginning Tennis.** One hour.

PE 366—**Advanced Tennis.** One hour.

PE 367—**Beginning Gymnastics.** One hour.

PE 368—**Advanced Gymnastics.** One hour.

PE 371—**Beginning Social Dancing.** Contemporary Dances as Fox Trot, Waltz, etc.

PE 372—**Advanced Social Dancing.** One hour.

Prerequisite: 371.

PE 373—**Coaching Football.** Two hours.
A study of the fundamentals, player selection and training, offensive and defensive formation, and game strategy of football.

PE 374—**Coaching Basketball.** Two hours.
The growth and popularity of basketball, selection, practice and training of players, offensive and defensive strategy.

PE 375—**Coaching Baseball.** Two hours.
A study of the background and development of baseball, coaching of the fundamentals, player selection and placement, and other coaching problems.

PE 376—**Coaching Track and Field.** Two hours.
Development of track as a sport. Selecting of personnel, fundamentals and training techniques for all events.

PE 378—**History of Physical Education.** Two hours.

PE 379—**Introduction of Health, Physical Education, and Recreation.** Four hours.

PE 380—**Conducting Drill Team.** Two hours.

PE 381—**Marksmanship.** One hour.

PE 400—**Techniques of Officiating Individual and Dual Sports for Women.** Four hours.

PE 401 or G401—**Preventive and Corrective Physical Education.** Four hours.

PE 402—**Techniques of Officiating Sports for Men.** Four hours.

PE 403—**Beginning Course in Life Saving and Water Safety.** Two hours.
Prerequisite: Skill in all strokes.
Senior Life Saving. Water Safety Courses Approved by American Red Cross. Emphasis toward certifying life guards for swimming areas.

PE 404—**Instructor's Course in Life Saving and Water Safety.** Two hours.
Emphasis on obtaining knowledge and skills beyond the scope of Senior Life Saving and certifying personnel to conduct other water safety courses in schools and community.

PE 405, PE 406, PE 407—**Coaching the Minor Sports.** (Beginning, Intermediate and Advanced). Two hours each.
Golf, tennis, badminton, volleyball, archery, handball, swimming, tumbling, and gymnastics. Practical experience in the various phases of the intramural program of the required program of physical education.

PE 408 or G408—**Techniques of Teaching Rhythms.** Two hours.
Prerequisite: Some knowledge of music.

PE 409—**Physical Education in Elementary Schools.** Four hours.
Materials and methods of teaching physical education in the elementary grades; both theory and practical experience in selecting, organizing, and directing activities for the elementary school.

PE 410—**Physical Education in Secondary Schools.** Four hours.
Experience in planning activities for the high school and in reviewing of learning the necessary skills and techniques of leadership. Opportunity for study of rhythms, dual sports, tumbling, gymnastics, group games (volleyball, speedball, soccer) and aquatics.

PE 411—**Theory of Teaching Swimming and Diving.** Two hours.
Prerequisite: Physical Education 348 or equivalent.

PE 412—**Organization and Administration of Health and Physical Education.** Four hours.
A course emphasizing the theory and practice in adopting policies and procedures necessary to the development and administration of a sound program in small, medium and large high schools.

PE 423—**History of Dance.** Two hours.
Historical survey of dance in various civilizations from pre-historic times to the present.

RECREATION COURSES (REC)

REC 420—**History and Principles of Recreation.** Four hours.
A course dealing with the history of recreation and the principles and values of recreation. The contributions and responsibilities of the many organizations active in the field are described.

REC 430—**Outdoor Education and Recreation.** Four hours.
Designed to acquaint recreation leaders, teachers and administrators with the values, programs, opportunities, and relationships of outdoor education and recreation.

REC 433—**Camp Counseling and Administration of Camping.** Two hours.
Development of skills in camp leadership and administration.

REC 440—**Recreational Leadership Theory.** Four hours.
Developing individual competency in leading recreational activities.

REC 445—**Social Recreation Programing.** Two hours.
Planning, programing, and conduct of social recreation activities.

REC 450—**Youth Service Programs.** Four hours.
Administration, organization, and leadership of youth-serving organizations in the community, and the relationship of youth-service programs to the total community recreation activity.

REC 469—**Recreational Skills.** Four hours.
Adapting different craft media for use in recreation programs: making game equipment, stage properties, decorations, hobbies, and other crafts.

REC 470—**Park and Recreation Areas and Facilities.** Four hours.
Presenting to the professional recreation worker the fundamental principles, standards, and techniques in the design, construction, and maintenance of park and recreation areas and facilities.

REC 474—**Community Centers and Playgrounds.** Four hours.
The specific problems and programs unique to recreation centers and playgrounds, emphasizing techniques for administration and operation.

REC 481—**Introduction to Administration of Recreation Service.** Four hours.
A study of official, voluntary, and private organizations for recreation, with special consideration of legal aspects, personnel, facilities, financing, and public relations.

REC 488—**Field Work in Recreation.** Four to twelve hours.
A supervised course designed to give the professional recreation student practical experience in developing skills in various recreation programs.

THERAPY COURSES (THY)

THY 301—**Research, I, II, III.** One hour.
Research in the area of rehabilitation theory and its application.

THY 421—**Clinical Experience.** One to six hours. (May be repeated)
Lectures and supervised internship in various rehabilitation theories and their application.

THY 431, 432, 433—**Rehabilitation Theory and Application.** Four hours each.
Lectures and directed clinical work and research in rehabilitation theory and application.

THY 441, 442, 443—**Psychology of Rehabilitation.** Four hours each.
The approach to rehabilitation as it involves the whole individual both in the mental and physical phases of readjustment.

THY 453—**Supervision of Therapy and its Application.** Twelve hours.
(This may be Secondary Education 481P).

DEPARTMENT OF INDUSTRIAL ARTS (IA)

Zed H. Burns, Chairman

Crowder, Hunter, Thomas

The Department of Industrial Arts offers a choice of three undergraduate curricula leading to the Bachelor of Science degree; (1) the Industrial Arts teaching major; (2) the Industrial Arts non-teaching major; and (3) the Architectural Drafting major. For graduate work in the Department, consult the graduate bulletin.

The major for students who plan to teach industrial arts requires 45 hours, with the minimum hours in each area as shown below:

General Shop—4 hours
Metal Work—9 hours
Woodwork—9 hours
Drawing—9 hours
Industrial Arts electives—14 hours

The non-teaching major in Industrial Arts requires 36 hours. With this non-teaching major, the student is encouraged to minor in some related technical field, such as mathematics, physics, chemistry, or management.

A minor in Industrial Arts requires 28 hours.

The Department also offers a four-year curriculum in Architectural Drafting. The first two years of this curriculum can serve as pre-professional training for students planning to train as professional architects.

In the field of industrial arts, double majors are impractical and are strongly discouraged.

CURRICULUM RECOMMENDED FOR INDUSTRIAL ARTS TEACHING MAJOR

Freshman Year

Fall	Hrs.	Winter	Hrs.	Spring	Hrs.
English 101	4	English 102	4	English 103	4
History 101	4	History 102	4	P.A. 101	4
Health 179	4	Math. 100, or 101	4	Soc. Sci. Elective	4
I. A. 131	3	Pol. Sc.	4	I.A. 121	3
P.E. Activity	0	P.E. Activity	0	P.E. Activity	0
ROTC	1	ROTC	1	ROTC	1
	16		17		16

Sophomore Year

Fall	Hrs.	Winter	Hrs.	Spring	Hrs.
English 201	4	Biology 102	4	I.A. 301	4
Biology 101	4	I.A. 321, or 350	3	Physical Science	4
Psych. 201	4	I.A. 136	4	I.A. 331	3
I.A. 122	3	I.A. 330	3	I.A. 341	3
P.E. Activity	0	P.E. Activity	0	P.E. Activity	0
ROTC	1	ROTC	1	ROTC	1
	16		15		15

Junior Year

Fall	Hrs.	Winter	Hrs.	Spring	Hrs.
Ed. Psych. 319	4	Ed. Psych. 332	4	I.A. 342	3
Educ. 328	4	I.A. 340	3	I.A. 301	4
I.A. 314	3	I.A. 315	3	Elective	6
Physical Sci.	4	Sec. Ed. 462, or 464	2	Art or Music	4
		Elective	2		
		Eng. 202, or 433	4		
	15		18		17

Senior Year

Fall	Hrs.	Winter	Hrs.	Spring	Hrs.
I.A. 400	5	I.A. 409	5	Sec. Educ. 481G	12
FED. 469	4	Elective	8	SED 313	4
Elective	5	SED 451G	4		
	14		17		16

CURRICULUM RECOMMENDED FOR ARCHITECTURAL DRAFTING MAJOR

Freshman Year

Fall	Hrs.	Winter	Hrs.	Spring	Hrs.
Art 111	4	Art 112	4	Art 113	4
English 101	4	English 102	4	English 103	4
Math. 101	4	Math. 102	4	Math. 103	4
Hist. 101, Geog., Soc.	4	Hist. 102, Geog., Soc.	4	Hist., Geog., Soc.	4
ROTC	1	ROTC	1	ROTC	1
	17		17		17

Sophomore Year

Fall	Hrs.	Winter	Hrs.	Spring	Hrs.
Math. 275	4	Math. 375	4	Math. 376	4
Physics 101	4	Physics 102	4	Physics 103	4
Art 101	4	Art 321	4	Art 341	4
Arch. Design I	4	Arch. Design II		Arch. Design III	4
ROTC	1	ROTC	1	ROTC	1
	17		17		17

Junior Year

Fall	Hrs.	Winter	Hrs.	Spring	Hrs.
Arch. Design IV	4	Arch. Design V	4	Arch. Design VI	4
Structures I	5	Structures II	5	Structures III	5
Math. 248	4	Pub. Ad. 101	4	Pol. Sc. 101	4
English 201	4	English 202	4	English (Elect.)	4
	17		17		17

Senior Year

Fall	Hrs.	Winter	Hrs.	Spring	Hrs.
Arch. Design VII	4	Arch. Design VIII	4	Arch. Design IX	4
Build. Const. I	2	Build. Const. II	2	Build. Const. III	2
Elective	10	Elective	10	Elective	10
	16		16		16

Electives must be selected so as to meet all requirements for graduation including the core, major, minor, hours numbered 300 or above, and total hours. Normally the B.S. degree is granted on the basis of the above curriculum, however, the A.B. degree may be earned in this field if all requirements are met including two years of French.

CURRICULUM RECOMMENDED FOR NON-TEACHING INDUSTRIAL ARTS MAJOR

Freshman Year

Fall	Hrs.	Winter	Hrs.	Spring	Hrs.
English 101	4	English 102	4	English 103	4
History 101	4	History 102	4	Speech 101	4
Elective	4	Math.	4	Soc. Sci. Elective	4
I.A. 121	3	I.A. 122	3	I.A. 131	3
ROTC	1	ROTC	1	ROTC	1
	16		16		16

Sophomore Year

Fall	Hrs.	Winter	Hrs.	Spring	Hrs.
English 201	4	Math.	4	Psychology 201	4
Lab. Science	4	English 202	4	Lab. Science	4
Soc. Sci. Elective	4	I.A. 350	3	I.A. 331	3
I.A. 321	3	Lab. Science	4	Pol. Sc.	4
ROTC	1	ROTC	1	ROTC	1
	16		16		16

Junior Year

Fall	Hrs.	Winter	Hrs.	Spring	Hrs.
I.A. 342	3	I.A. 340	3	I.A. 314	3
Elective	8	Elective	12	Elective	12
Fine Arts	4				
	15		15		15

Senior Year

Fall	Hrs.	Winter	Hrs.	Spring	Hrs.
Elective	17	Elective	17	Elective	17

INDUSTRIAL ARTS COURSES (IA)

IA 121—**Engineering Drawing I.** Three hours.

Use of drawing instruments, geometric construction. Conventions used in depicting objects for reproduction. Representation in two and three dimensions. Object drawing. Special practice in lettering. Orthographic projection, dimensioning.

IA 122—**Engineering Drawing II.** Three hours.

Prerequisite: Industrial Arts 121.

Multiview projection, sectional views, auxiliary views, revolutions, working drawings, pictorial drawings.

IA 131—**Woodwork.** Three hours.

A course designed to develop skill, knowledge and appreciation in the care and use of woodworking tools, materials, processes, and products. Hand and machine tools, tool processes, wood and lumber, joints, gluing, nails and screws, wood turning, and finishing.

IA 136—**General Shop.** Four hours.

A general course in accordance with the modern development of industrial arts and crafts.

IA 301—**Industrial Arts Electricity.** Four hours.

An introduction to some phases of electricity such as magnetism, bell wiring, bell transformers, repair of electrical appliances, sources of electrical energy, house wiring, and generators and motors.

IA 310—**Bookbinding.** Three hours.
A complete course in hand binding. Included are stripping and collating, sewing, backing and gluing, case making, titling, and finishing.

IA 314—**Leather Craft.** Three hours.
Instruction in tooling, embossing, lacing, and designing selected leather projects.

IA 315—**Plastics.** Three hours.
A study of plastics in common use; general operations in design, shaping and finishing selected projects.

IA 317—**Photography in Industrial Arts.** Three hours.
Evaluation of photography in the industrial arts curriculum. Camera selection, construction, and techniques, exposure factors, film characteristics and selection, developing, printing, enlarging, copying and other basic darkroom procedures. The making of photographic slides for industrial arts, both black and white, and color.

IA 319—**Industrial Arts for Elementary Teachers.** Four hours.
A course for teachers for both lower and upper elementary work. Intended as an aid to the teacher in her preparation to guide the children in all free activities.

IA 321—**Engineering Drawing III.** Three hours.
Prerequisite: Industrial Arts 121 and 122.
Use of instruments, engineering lettering, freehand sketches, pictorial drawings, sectional views, and working drawings from written descriptions as well as from actual objects.

IA 322—**Engineering Drawing IV.** Three hours.
Prerequisite: Industrial Arts 121, 122, and 321.
Advanced Engineering Drawing.

IA 325—**Descriptive Geometry.** Five hours.
Prerequisite: Industrial Arts 121.
A study of the general principles of descriptive geometry and their application to engineering, architecture, and geology.

IA 330—**Wood Finishing.** Three hours.
A general course in wood finishing consisting of finishing materials, techniques, and equipment, applicable to industrial arts projects.

IA 331—**Advanced Woodwork.** Three hours.
Emphasis on the selection of projects to implement the objectives of an industrial arts program. The importance of individual design and use of machines is stressed.

IA 340—**Welding.** Three hours.
Theory and practice in oxy-acetylene and arc welding. Construction of appropriate projects is required.

IA 341—**Sheet Metal Work.** Three hours.
An introduction to the application of hand and machine processes. Simple pattern drafting. Study of materials. Working cold iron; cutting, forming, seaming, burring, crimping, and fastening, as applied to the making of sheet metal products.

IA 342—**Machine Shop.** Three hours.
Introduction to the procedures in grinding; thread cutting; quick change gears; the drill press and its operation; taper turning; cutting tools; grinding machines; and the assembling of machine parts.

IA 343—**Art Metal Work.** Three hours.
An introduction to the processes involved in the construction, finish, and evaluation of art metal projects and articles: class demonstrations, assigned readings, and special reports.

IA 350—**Architectural Drawing.** Three hours.

A beginning course in architectural drawing. Lettering, details, working drawings, and office practice.

IA 351-2-3—**Architectural Design I, II, III.**

Analysis and solution of simple problems in architectural design. Emphasis on domestic and simple public buildings. Attention to construction and finish details through research, discussion, drawing and models. Three quarters of architectural design. Each quarter four hours credit.

IA 375—**Structures I.** Five hours.

Prerequisite: Physics 101 or 201 and Mathematics 103.

An elementary technical study of force systems and their action on rigid bodies at rest. Topics considered are center of gravity, moment of inertia of areas. For architectural and engineering students.

IA 376—**Structures II.** Five hours.

Analysis of fundamental structural principles, application of mathematics of structural theory.

IA 377—**Structures III.** Five hours.

Study of statically determined structures including shear and bending moments, torsion, slope and deflection, design of beams, columns, trusses, struts, problems dealing with wood, reinforced concrete, steels, and other materials.

IA 381, 382, 383—**Building Construction I, II, III.**

Three quarters of work. Each quarter two hours credit.

Prerequisite: Permission of the instructor.

Study and examination of materials and methods of construction. Foundations, walls, roofs, stairs, partitions, doors, windows, etc., are studied. Also considered are specifications, contracts, and office practice.

IA 400—**School Shop Planning and Equipment Selection.** Five hours.

Lay out of rooms and other building facilities. Purchase and arrangement of equipment. Selection of suitable equipment for special conditions. The cost of equipment, supplies, and maintenance.

IA 401—**Shop Care and Management.** Five hours.

A study of machine placement; student movement; arrangement of safety zones; upkeep and repair of tools; tool storage and distribution; storage of materials; assembly areas; and the general appearance of the shop.

IA 409—**History and Philosophy of Industrial Arts.** Five hours.

A critical consideration of various points of view; important contributions to general education; philosophy of industrial arts education, and leaders.

IA 451-2-3—**Architectural Design IV, V, VI.** Three quarters of Architectural Design. Each quarter four hours credit.

Prerequisite: Architectural Design I, II, III.

Analysis and solution of architectural problems of greater complexity than the 350 series. Emphasis is on presentation of ideas in design.

IA 454, 455, 456—**Architectural Design VII, VIII, IX.**

Three quarters of architectural design. Each quarter four hours credit.

Prerequisite: Architectural Design 453.

Analysis and solution of problems in architectural design of moderate complexity. Attention is given to site planning, landscape design, etc., through lectures, slides, drawing, and research.

DEPARTMENT OF LIBRARY SCIENCE

Warren F. Tracy, Chairman
Madeline Flynt

A student majoring in library science may elect one of several alternate plans. He may work toward either the B.A., the B.S. non-teaching or the B.S. teaching degree. The student's choice of program should be determined by his plans for the future and in close conjunction with his adviser.

Students wishing to prepare for positions in the public, college and university, and special library fields should major in an academic subject (other than library science) at the undergraduate level, take the 20 quarter hour prerequisite of undergraduate library science courses (see graduate catalog), and complete the Master's program in library science. Students who are planning to study librarianship should consult the chairman of the Department of Library Science for advice regarding their curricula.

Curriculum for Bachelor of Science
Degree with a Major in Library Science
(Professional Teaching Program)
Freshman and Sophomore Years

Courses listed in Basic College Core, and School of Education and Psychology requirements.

Junior and Senior Years

	Hours
Library Science 301, 302, 303, and 315-316	20
Library Science 427, 428, 462 and 463	16
Elementary Education 120 or FED 328, FED 416, FED 469, SED 313*, and SED 481R	28
Educational Psychology 319 and 332	8
Fine Arts	4
Electives	27

*Prerequisite: EPY 319
SED 313 and SED 481R are taken concurrently.

The Bachelor of Science degree with library science as a major may be had in the non-teaching program and may follow the library science requirements for the B.A. degree.

Curriculum for Bachelor of Arts
Degree with a Major in Library Science
Freshman and Sophomore Years

Courses listed in Basic College Core, and School requirements.

Junior and Senior Years

	Hours
Library Science 301, 302, 303	12
Library Science 427, 428, 462, 463 and 489	21
Foundations Education 416	4
Electives and minor	60

Departmental Requirements

General Requirements: The student wishing to major in library science should take 37 hours in the Department of Library Science, all of which must be in courses numbered above 300. Required of all majors and counted as a library science course is FED 416.

No correspondence or extension work is counted toward this credit. For the B.S. teaching degree 12 hours of directed teaching will be in school library practice, Education 481R. The B.A. and non-teaching B.S. may include L.S. 489 instead. FED 416 will be counted toward the major in library science, provided it is done in residence.

Minor and Electives

In addition to the core requirements, the certification requirements and the departmental requirements, the student must also complete the requirements for a minor, preferably in a related field. Courses not used to fulfill any of these requirements are free electives and may be taken in any department of the University.

The student minoring in library science must take 28 hours in the department.

Students may qualify for the Class A Certificate by completing at least 36 quarter hours of library science:

	Qtr. Hrs.
Books and Related Materials for Children and Young People	8
Organization and Administration of Libraries	8
Electives in Library Science	20

LIBRARY SCIENCE COURSES (LS)

LS 301—**Book Selection.** Four hours.

A general study of principles of selection and standards for evaluation of books, periodicals and other library materials; book publishers, series and editions; use of standard book selection aids.

LS 302—**Books and Related Materials for Children.** Four hours.

A study of library materials and their uses for children of preschool age through the elementary grades; emphasis on the examination of both printed and audio-visual materials.

LS 303—**Books and Related Materials for Young People.** Four hours.

A study of the reading needs and interests of adolescents with criteria for selecting books for the school library. Emphasis on a wide study of both books and allied materials.

LS 315—**Organization and Administration of School Libraries.** Four hours.

A study of the technical processes involved in organizing a library, circulation, classification and cataloguing; care of collection; maintenance of library materials, library quarters and equipment, finance, the acquisition of books and non-book materials.

LS 316—**Organization and Administration of School Libraries.** Four hours.

Continuation of 315. To be taken concurrently with 315.

NOTE: FED 416 may be counted as library science. For description, see Department of Educational Foundations.

LS 427—**School Library Reference Materials.** Four hours.

Required for the 28-hour program and above.

The study and evaluation of basic reference materials for school library use.

LS 428—**School Library Reference Materials.** Four hours.

Prerequisite: Library Science 427. Not required on 28-hour program.

A study of the more specialized reference material, including bibliographic and government materials, lectures, and problems.

LS 462—**Classification and Cataloguing.** Four hours.

Prerequisite: Library Science 315, 316 and 427.

A study of the fundamental principles and methods of classification and cataloguing suitable for the average school library situation. Dewey Decimal Classification and simplified cataloguing with emphasis on the printed cards and other aids.

LS 463—**Classification and Cataloguing.** Four hours.

Prerequisite: Library Science 462.

Expansion of the principles and methods of classification and cataloguing with attention given to more advanced problems.

LS 489—**Practice Work.** Five hours.

Culmination course of majors in library science to be taken with B.S. non-teaching degree. Experience in various phases of library work. Approximately 180 hours of laboratory work including a one-day field trip which will involve a small expense.

LS 490—**School Library Problems.** One and one-half hours each.

An intensive course through group study in the analysis of special problems in the library field. Full-time work for five days, offered during the summer quarter; to be conducted through the cooperative efforts of the Department of Library Science and the State Department of Education. May be taken three times.

DEPARTMENT OF PSYCHOLOGY (PSY)

(Including Educational Psychology, EPY, and Special Education, SPE)

Ray S. Musgrave, Chairman

Barker, Gurman, Hildman, Lowe, Mehearg, Rabin, Ross, Stritch, Wofford

The Department of Psychology offers a full range of courses in psychology in either of two major sequences: non-professional, and pre-professional. It also functions as a service department in teacher education, offering certain courses required for teacher certification. The department also offers courses for other schools and departments which require or recommend courses in psychology in their respective curricula. For graduate programs consult the graduate bulletin.

Requirements for Major

A student majoring in psychology may elect one of several alternative plans. He may work toward either the B.S. or the B.A. degree. In each degree program he may follow either the pre-professional major sequence, or he may elect the general major program. The student's choice of program should be determined by his plans for the future.

General Psychology Major Non-Professional

This major is provided for the student who is interested in psychology and who plans to enter an occupation other than professional psychology. The student who elects this major will not be recommended for professional work in psychology or for graduate professional training. Students aspiring to advanced professional training in psychology should take the pre-professional sequences.

Psychology Major Pre-Professional

This major sequence is planned to provide the student with the background and skills essential for graduate professional training in psychology.

A. Curriculum—Basic College and School Requirements

The student working toward either degree must include the appropriate core curriculum requirements for his degree.

Students who contemplate advanced graduate work are reminded that a reading knowledge of two foreign languages is usually required. Study of German or French is recommended as a part of the undergraduate program for pre-professional psychology majors. Bachelor of Arts students will take one of these languages to meet core requirements.

B. Curriculum—Departmental Requirements

1. General and Specific Requirements.

The student wishing to major in psychology, regardless of his degree plan, must take 36 hours in the Department of Psychology. Required of all majors are Psychology 201, 202, 450, 466, or 467, and 484.

The student taking the pre-professional psychology major should take, in addition to Psychology 201, 202, 450, 466 or 467, and 484, as indicated above, Psychology 445, 451, 482, and one course from the group 337, 480 or 481.

Courses designated EPY may be used toward a psychology major.

C. Curriculum—Minor and Electives

In addition to the core, school, and departmental requirements, the student must also complete the requirements for a minor, preferably in a related field. Courses not used to fulfill any of these requirements are free electives and may be taken in any department of the University.

PSYCHOLOGY (PSY) AND EDUCATIONAL PSYCHOLOGY (EPY) COURSES

PSY 201—**General Psychology.** Four hours.
Prerequisite: Sophomore standing.
An introduction to the scientific study of human behavior and experience.

PSY 202—**Applied Psychology.** Four hours.
Prerequisite: Psychology 201.
Application of psychological methods and principles to occupational fields other than education, including business and industry, law, medicine, the ministry, and others.

EPY 316—**Human Growth and Development, Part I: Child.** Four hours.
Prerequisite: Psychology 201.
Study of the child through the elementary school years, emphasizing principles and problems of development. Case studies of individual children.

EPY 319—**Educational Psychology.** Four hours.
Prerequisite: Psychology 201.
Application of psychological methods, facts, and principles to education.

EPY 332—**Human Growth and Development, Part II. Adolescent.** Four hours. (132)
Prerequisite: Psychology 201.
A course dealing with development of the individual through the adolescent years. Case studies of individual adolescents.

PSY 337—**Mental Hygiene.** Four hours.
Prerequisite: Psychology 201.
Characteristics of the wholesome personality and the building of healthy emotional attitudes; promotion of good mental health and prevention of abnormalities. Emphasis is placed on increased personal efficiency.

PSY 445-G445—**Social Psychology.** Four hours.
Prerequisite: Psychology 201.
Psychological factors and influences in group behavior. Study of the individual in group situations, and the influence of the social environment on his behavior and development.

PSY 449-G449—**Industrial Psychology.** Four hours.
Prerequisite: Psychology 201. (Psychology 450 recommended).
Applications of psychological principles and methods to problems of industry, emphasizing employee selection and placement, merit rating, accident reduction, training, and measurement and improvement of employee morale.

PSY 450-G450—**Introduction to Statistics for the Behavioral Sciences.** Four hours.
Computation of measures of central tendency, variability, and correlation. Introduction to concepts of sampling techniques (t tests, chi square, and analysis of variance).

PSY 451-G451—**Psychological Measurement.** Four hours.
Prerequisites: Psychology 201 and 450.
Theory, problems and techniques of psychological measurement. Group tests of ability, aptitude, interests and personality are emphasized.

PSY 466-G466—**Experimental Psychology I.** Four hours.
Prerequisites: Psychology 201 and 450 and permission of the instructor.
Two hours of lecture and two two-hour laboratory periods.
Introduction to psychological laboratory work. Experiments include study of sensory and perceptual processes, emotion and motivation.

PSY 467-G467—**Experimental Psychology II.** Four hours.
Prerequisites: Psychology 201 and 450 and permission of the instructor.
Two hours of lecture and two two-hour laboratory periods.

Introduction to psychological experimental techniques. Experiments include study of learning, memory, and thinking.

PSY 480-G480—**Psychology of Personality.** Four hours.

Prerequisites: Psychology 201 and permission of the instructor.

A study of the facts involved in the development of the mature personality, with an analysis of the structure and dynamics of personality; critical review of methods of personality evaluation.

PSY 481-G481—**Abnormal Psychology.** Four hours.

Prerequisites: Good background in psychology and permission of the instructor.

Study of the major psychoses, the psychoneuroses, and mental deficiency; field trips and demonstration clinics. Primarily for psychology majors, premedical students, and students planning to enter law, social work, teaching, or the ministry.

PSY 482-G482—**Physiological Psychology.** Four hours.

Prerequisites: Psychology 201.

Relationships between physiological functions, especially those of the nervous system, and psychological functions, including perception, emotion, motivation and learning. Primarily for psychology majors and premedical students.

PSY 484-G484—**History and Systems of Psychology.** Four hours.

Prerequisite: Permission of the instructor.

Review of the history of psychology, and intensive study of current systems of psychology. Primarily for psychology majors as final senior course.

PSY 492—**Special Problems in Psychology.** Two to four hours.

Prerequisites: Twenty-eight hours in psychology and approval of the department chairman.

Intensive study of a specific topic or problem in contemporary psychology. Preparation of a series of formal papers and reports.

SPECIAL EDUCATION

Musgrave, Mehearg, Ross*

The University of Southern Mississippi prepares teachers to teach mentally retarded children at both the elementary and the secondary level, and trains speech therapists to work with children in the public schools who have speech defects. Students who wish to become speech therapists should follow the program outlined under the Department of Speech and Hearing Sciences.

Teachers who specialize in teaching the mentally retarded ordinarily major in Special Education with emphasis on the mentally retarded. They do part of their student teaching with mentally retarded children and part with normal children. It is possible for students to major in elementary education and take the additional specified courses to obtain an endorsement to teach the mentally retarded.

Students wishing to major in Special Education and prepare to teach mentally retarded children should follow the program outlined below:

Program of Courses for a Major in Special Education and Certification to Teach the Mentally Retarded**

Freshman Year	Quarter Hours
English 101, 102, 103	12
History 101, 102	8
Political Science 101	4
Science Education 104, 105, Physical Science I and II	8
Math 100	4

*On leave, Fall Quarter 1964-65.

**Students interested in teaching the mentally retarded at the secondary level should plan their programs with the Coordinator of Special Education Services.

FED 120—The Teacher and the Community 4
Art 107—Introductory Art 4
Physical Education Activity Courses—3 quarters 0
Military Science 101, 102, 103 (for men) 3
Electives to make total 48 hours for the year plus P.E.

Sophomore Year

English 201, and 202 or 433 8
Public Address 101 4
Social Studies: Choose from Geography 103, Economics 200 or 251, or Sociology 103 or 201 4
Psychology 201 4
Art 109 or Art 392 4
Elementary Education 266—The Modern Elementary School 4
Music 165—The Enjoyment of Music 4
Music Education 361, 362—Music for Elementary Teachers 8
Health 179—Personal Health 4
Physical Education Activity Courses—3 quarters 0
Military Science 201, 202, 203 (for men) 3
Electives to make total 48 hours for the year plus P.E.

Junior Year

Science Education 106, 107—Biological Science I and II 8
EED 301—Arithmetic for Children 4
EED 317—Methods and Materials in Children's Literature 4
Science Education 432—Science for Elementary Teachers 4
EED 305—Social Studies in the Elementary Grades 4
EED 306—Language Arts in the Elementary School 4
EED 307—Teaching Developmental Reading 4
EPY 319—Educational Psychology 4
EPY 316—Human Growth and Development, Part I—Child 4
Electives to make total 48 hours for the year (Suggested PE 409, FED 416, FED 469)

Senior Year

SPE 486—Psychology and Education of the Exceptional Child 4
SPE 455—Speech and Hearing Problems for the Classroom Teacher—or SPT 301—Introduction to Speech Therapy 4
SPE 450—Psychology and Education of the Mentally Retarded 4
SPE 460—Methods and Materials for Teaching the Mentally Retarded.. 4
SPE 480 or 481—Student Teaching of the Mentally Retarded 12
EED 343—Methods and Materials in Elementary Education 4
PSY 337—Mental Hygiene 4
Electives to make total 48 hours for the year (Suggested SPE 470, SPE 487, EED 308)

Majors in Speech Therapy and Audiology may minor in Special Education. The minor will require EPY 316, EPY 319, EPY 332, EED 266, SPE 451, SPE 486, SPE 471, Student Teaching and Clinical Experience in Special Education for a minimum of 12 hours in SPE 471.

Prospective teachers of exceptional children are urged to consult with the Director of the Psychological and Special Education Clinic in planning their programs.

SPECIAL EDUCATION COURSES (SPE)

SPE 450-G450—**Psychology and Education of the Mentally Retarded.** Four hours.

A study of the social, emotional, physical, and intellectual characteristics of the mentally retarded; methods of diagnosis and differentiation; and special class organization.

SPE 451—**Methods in Speech Correction. Four hours.**

Prerequisites: Speech Therapy 301, 330 and 401.

A course designed to acquaint the correction major with clinical conditions as found in public schools, including practice with various types of speech cases, and instruction in working with parents, teachers, and the public in solving speech correction problems.

SPE 455-G455—**Speech and Hearing Problems for the Classroom Teacher.** Four hours.

A course designed to acquaint the teacher with speech and hearing problems commonly found in the classroom.

SPE 460-G460—**Methods and Materials for Teaching the Mentally Retarded.** Four hours.

A study of methods and materials most useful in teaching the mentally handicapped. Emphasizes the use of arts and crafts as instructional media.

SPE 470-G470—**Curriculum Adaptations for Teaching Handicapped Youth.** Four hours.

Examination of the educational needs of mentally, physically and emotionally handicapped youth of secondary school age and methods of meeting these needs. Emphasizes the principles and procedures of the cooperative Special Education-Vocational Rehabilitation program.

SPE 471—**Student Teaching and Clinical Experience in Special Education.** Up to 12 hours.

SPE 480—**Student Teaching of the Mentally Retarded—Elementary.** Twelve hours.

SPE 481—**Student Teaching of the Mentally Retarded—Secondary.** Twelve hours.

SPE 486-G486—**The Psychology and Education of the Exceptional Child.** Four hours.

Considers the psychological and educational needs of children in the atypical groups; physically, visually, or auditorially handicapped; defective speech, mentally retarded, or socially and emotionally maladjusted.

SPE 487-G487—**Problems in Special Education.** Four hours.

Organization and administration at both state and local levels of the education of the exceptional child.

SPE 490-G490—**Workshop in Special Education I, II, III.** One and one-half hours each.

Workshops in selected areas of special education.

DEPARTMENT OF SCHOOL ADMINISTRATION, SUPERVISION, AND CURRICULUM (AED)

James H. Mailey, Chairman

Baxter, McQuagge, Moody, Owings, Thomas

The Department of School Administration, Supervision, and Curriculum offers programs for the preparation of administrators for the public schools and colleges and for teachers of school administration. These preparation programs are offered only at the graduate level and lead to the master's degree, the sixth year specialist certificate, and the doctor's degree. For a description of these programs, consult the graduate bulletin.

DEPARTMENT OF SCIENCE EDUCATION (SCE)

(Including Fundamentals of Science, FS)

A. G. Morgan, Chairman

Bowen, Frazier

The Department of Science Education is operated jointly by the College of Arts and Sciences, and the School of Education and Psychology. The facilities are in the College of Arts and Sciences; programs in teacher education are in

the School of Education and Psychology. Responsibility for the curriculum is shared jointly.

PURPOSES

The mission of the Department of Science Education is: (1) to provide those courses in both the physical and biological sciences which would give a minimum degree of scientific literacy to all students; (2) to provide, in cooperation with the Department of Elementary Education, a curriculum in the sciences and science methods for elementary school teachers; (3) to provide advisement for those students planning to teach the sciences at the secondary school level; (4) to provide programs leading to advanced degrees in science education; (5) to work with public schools in the development of curricula, workshops, science fairs, and other activities designed to improve science instruction at all public school levels.

CURRICULUM AND PROGRAM

The Department of Science Education is concerned primarily with teachers and prospective teachers of science. Although some students will be planning to teach a specific science, current public school organization does not encourage too much specialization; familiarity with principles and concepts common to all of the several scientific disciplines is prerequisite. Hence, courses in science education are so organized as to give teachers and prospective teachers a broad understanding of several of the sciences, with the opportunity for enough specialization in one area to pursue advanced study.

In general, all prospective science teachers will study mathematics through trigonometry. Calculus is prerequisite for some courses in chemistry and physics. Specialization in one scientific discipline will require a minimum of forty (40) quarter credit hours in that discipline. Certain courses offered by the various science departments specifically for public school teachers are applicable only to the degree programs in education offered by the School of Education and Psychology.

The Department of Science Education offers a **major in general science** for secondary school teachers, grades 7 through 12. The recommended course of study is outlined below:

Freshman year:
English 101, 102, 103
Math 101, 102, 103
Chemistry 101, 102, 103
Geography 103
Political Science 101
Music or art

Junior year:
Public address 101
FED 328 (education)
EPY 319, 332 (psychology)
FED 469 (education)
Chemistry 204, 205, 206
Biology 104 or 311, 300
Geology 101, 260

Sophomore year:
Biology 101, 102, 103
English 201, 433
History 101, 102
Sociology 103
Physics 101, 102, 103
Health 179
Psychology 201

Senior year:
SED 451, 313, 481 (education)
Electives 20 hours in biology, chemistry, geology, or physics
Electives 8 hours

The above program provides a broad background and some depth in all science areas, opportunity for considerable depth and specialization in one science area, and background in professional education necessary for effective teaching.

For a **minor in general science,** the student must take a minimum of 12 quarter hours in two or more science fields and a minimum of 24 quarter hours in one of the sciences.

SCIENCE EDUCATION COURSES (SCE)

Including Fundamentals of Science (FS)

Fundamentals of Science: A sequence of two courses in the physical sci-

ences and two in the biological sciences. Each course carries four hours of credit and consists of four one-hour lecture-demonstration sessions per week. A working knowledge of algebra is presupposed. These courses are designed to give students an acquaintance and understanding of certain fundamental principles and laws of the major science disciplines. Credit in these courses will not count toward the degree requirements for a major or minor in the sciences or in secondary school science teaching.

FS 104—**Physical Science I.**

A study of matter and energy in the universe; their sources, transformation, and interactions; the forces acting within the universe; and the laws governing these phenomena.

FS 105—**Physical Science II.** Prerequisite: FS 104.

A continuation of FS 104. Primary emphasis is on elementary and compound substances, the arrangement of and forces acting on these substances in the formation of the earth, atmosphere, and the universe.

FS 106—**Biological Science I Zoology.** Prerequisite: FS 105.

Elementary studies of cell structure and function; gametogenesis, ontogeny, heredity, ecology, taxonomy, and phylogeny, with emphasis on the major groups of animals.

FS 107—**Biological Science II Botany.** Prerequisite: FS 105.

Elementary studies of plant morphology, physiology, ecology, taxonomy, and phylogeny, with emphasis on the major groups of plants.

SCE 432—**Science for Elementary Teachers.** Four hours.

Six hours of lecture, audio-visual, and laboratory work per week.

Designed to relate basic scientific principles to the elementary grades, and provide experience in presenting these principles to the elementary school child through the use of a variety of materials, activities, and methods.

SCE 447—**Nature Study and Elementary Science.** Four hours.

Six hours of lecture and field work per week.

Familiarizes prospective teachers with the biological and physical materials commonly close at hand and assists in the identification and utilization of these materials. Considers the whole environment of the child and his observation and interpretation of it.

SCE 415J—**Methods in Teaching Science—Grades 10 through 12.** Four hours.

Prerequisite: Senior standing (should be taken one or two quarters before student practice teaching).

A course designed to familiarize teachers with trends in the secondary science curriculum. It includes a study of materials and techniques used in presenting subject matter to the secondary school student. Emphasis is placed upon the design of activities dealing with science as a form of inquiry and investigation. Readings are required in the science and science education periodicals.

SCE 451K—**Methods in Teaching Science—Grades 7 through 9.** Four hours.

Prerequisite: Senior standing (should be taken one to two quarters before student practice teaching).

Similar to 451J, but emphasizes curriculum, methods, and materials at the junior high school level.

SCE 400-G400—**BSCS Biology for Secondary Teachers.** Four hours.

Prerequisite: 36 hours of biology.

This course is for teachers only, and may not be used for credit toward a major in biology.

A detailed critical examination of the subject matter, techniques, and methods for teaching biology in secondary schools, as proposed by the Biological Sciences Curriculum Study. Designed to orient teachers in modern biology subject matter and special techniques by presenting background material and special laboratory exercises. Emphasis is placed on the laboratory as the source of information from which sound conclusions can be drawn. 3 two-hour laboratory-

lecture-demonstration periods per week plus 3 hours per week arranged to include field trips, group projects, etc.

DEPARTMENT OF SECONDARY EDUCATION

N. L. Landskov, Chairman
Campbell, Hagenson, Rogers, Parker

The student who plans to teach at the high school level will work toward the Bachelor of Science "Professional" degree. This degree requires an acadmic major and a minor in secondary education. The majors available for this degree are listed in Part IV of this catalog. The Basic College, School, and professional or minor requirements are listed on preceding pages. The National Teacher Examiniation is also part of the degree requirement. Students in secondary education will have two advisers: the Chairman of the Department of Secondary Education and the chairman of the department in which they are majoring. Students should also read carefully the requirements for student teaching. No more than twelve quarter hours in professional education courses taken by correspondence may be accepted for a degree.

The "professional" degree meets the requirements for certification by state and national certification agencies.

SECONDARY.EDUCATION.COURSES

SED 311—**Junior-Senior High School Reading Methods.** Four hours.
A course designed to familiarize junior and senior high school teachers with reading methods and materials. Special emphasis is placed on improving reading skills in the subject matter areas and providing suitable material for poor readers.

SED 313—**Principles of Teaching in High School.** Four hours.
Taken simultaneously with SED 481.
Aims of secondary education, motivation and direction of learning, school organization, including guidance, and an introduction into methodology.

SED 451A—**Methods in Business Education.** Four hours.
A study of business education trends and aims, teaching procedures, tests and measurement, special helps, and teaching materials.

SED 451B—**Methods in Art.** Four hours.
Aims, objectives and methods of art education in the elementary and secondary schools.

SED 451G—**Methods in Industrial Arts.** Four hours.
Methods and materials in the teaching of industrial arts.

SED 451H—**Methods in English Secondary.** Four hours.
Required of English majors who follow the professional teaching program. Should be taken in the third quarter of the junior year or in the summer preceding the senior year. A course in methods of teaching English in the junior and senior high schools.

SED 451I—**Methods in Foreign Languages.** Four hours.
Required of foreign language majors who follow the professional teaching program. A course in methods of teaching French, Spanish, and German in high schools.

SED 451J—**Methods in Sciences—Secondary.** Four hours.
A course intended to give teachers the techniques of handling science classes, including selection, organization, and presentation of subject matter.

SED 451K—**Methods in Mathematics—Secondary.** Four hours.
Should be taken after the student has completed most of his mathematics courses.

A course designed to give the student a knowledge of the foundation on which mathematics is built, the aims and purposes of teaching the subject in high school, curriculum problems, organization and presentation of subject mater, methods of teaching, and methods of testing.

SED 451L—**Methods in Social Studies—Secondary.** Four hours.

Prerequisites: EPY 319, or consent of instructor.

A study of principal methods of teaching, application of psychological principles to teaching, methods of selecting content, and materials available. The work is adapted to the social studies in the high school.

SED 451M—**Methods in Speech.** Four hours.

Prerequisite: Consent of instructor.

A general orientation to the teaching of speech, followed by individualized unit work in the special fields of speech.

SED 451P—**Methods and Principles in Health, Physical Education and Recreation.** Four hours.

For grades 1 through 12. Primarily for students majoring or minoring in health, physical education and recreation. Materials and techniques of teaching health, physical education and recreation in public schools.

SED 462 or G462—**Curriculum of the Secondary School.** Two hours.

A critical examination of the present day curriculum with emphasis upon the core curriculum.

SED 464 or G464—**Student Activities in Secondary Schools.** Two hours.

Consideration is given to the general nature and organization of the program popularly known as extra-curricular activities. Major emphasis is placed upon the various activities that constitute an activity program in a modern high school.

SED 481-A-S—**Student Teaching in High School.** Twelve hours.

Prerequisites: The completion of 132 hours of college including EPY 319, EPY 332, SED 451, and 2/3 of the work in the student's major field, of which at least eight hours must have been taken in residence in this institution. (See student teaching.)

The individual courses in pre-service student teaching are listed below:

SED 481A (Business Education) .....Twelve hours
SED 481B (Art) .....Twelve hours
SED 418G (Industrial Arts) .....Twelve hours
SED 481H (English) .....Twelve hours
SED 481I (Foreign Languages) .....Twelve hours
SED 481J (Sciences) .....Twelve hours
SED 481K (Mathematics) .....Twelve hours
SED 481L (Social Studies) .....Twelve hours
SED 481M (Speech) .....Twelve hours
SED 481P (Health, Physical Education, Recreation) .....Twelve hours
SED 481R (Library Science) .....Twelve hours
SED 481S (Music Education) .....Twelve hours

In-service student teaching is designed for experienced teachers who in effect have proved their ability to plan and to carry out effective classroom procedures on their own initiative. Initial enrollment for this work is limited to the fall quarter, and is open only to teachers who have had two years of teaching experience and who hold full-time teaching positions.

SED 484-A-S—**Student Teaching In-service—High School I, II.** Five hours each.

Prerequisites: Two years of teaching experience, consent of the Director of Student Teaching, and completion of SED 313, SED 451, and EPY 319. The specific courses are listed below:

SED 484A (Business Education) ..... Ten hours
SED 484B (Art) ..... Ten hours
SED 484G (Industrial Arts) ..... Ten hours
SED 484H (English) ..... Ten hours
SED 484I (Foreign Languages) ..... Ten hours
SED 484J (Sciences) ..... Ten hours
SED 484K (Mathematics) ..... Ten hours
SED 484L (Social Studies) ..... Ten hours
SED 484M (Speech) ..... Ten hours
SED 484P (Health, Physical Education, Recreation) ..... Ten hours
SED 484R (Library Science) ..... Ten hours
SED 484S (Music Education) ..... Ten hours

SCHOOL OF FINE ARTS

Raymond Mannoni, Dean

PURPOSE

The primary purpose of the School of Fine Arts is to provide its students with a well-rounded preparation for professional or teaching careers in one of the many branches of art or music. In addition, it seeks to provide opportunities for students in all departments of the University to participate in artistic activities and develop an awareness of cultural values.

To achieve its purposes, the School of Fine Arts offers courses of study centered around a core of theoretical, historical, and other academic subjects, and designed to develop artistic ability and general cultural awareness.

ORGANIZATION

Since curricular requirements vary for each major, students aiming at degrees from the School of Fine Arts should follow the course sequences for each year outlined in detail under each department in the following pages.

The School of Fine Arts is organized into four departments: Art, Music, Music Education, and Theatre. The baccalaureate degrees awarded are in Fine Arts, Art, Music, and Music Education, with appropriate majors. Undergraduate minors are available in Art History and Music.

A student majoring in Elementary Education who wishes to minor in Fine Arts may do so by electing the following courses:

MUS 165	ART 107
MED 361	ART 109
MED 362	ART 120
MED 363	

plus four hours of electives in Fine Arts (THE 201 is recommended)

DEPARTMENT OF ART (ART)

Walter Lok, Chairman
Ambrose, Barrio, Dodson, D'Olive, Merrifield

Curricula are offered in Drawing and Painting, and in Commercial Art, leading to the degree Bachelor of Fine Arts. A major is available in art leading to the degree Bachelor of Arts. A minor program is also available in the History of Art.

Courses recommended for the fulfillment of specialized education in art for special subject field teacher certification are:

Art 101, 102, 111, 112, 120, 201, 251, 315, 321, 325, 331, 335, 342, and Education 451B .....56 hours

Students should also elect a speech arts course in stagecraft.

Exhibitions on tour and students' exhibitions are arranged and presented by the faculty, student committees, and members of the local chapter of Kappa Pi, national honorary art fraternity.

The department reserves the right to retain student work for exhibition purposes.

The FRESHMAN year is a common course of study for all major programs in art.

English 101, 102, 103	4	4	4
Art 120; Appreciation	4		
History 101, 102		4	4
Physical Education	0	0	0
Art 101, 102, 103; Drawing	4	4	4
Art 111, 112, 113; Design	4	4	4
	16	16	16

The remaining three years are detailed below for each undergraduate major.

DRAWING AND PAINTING MAJOR

(Leading to the degree of Bachelor of Fine Arts)

Sophomore

English 201, 202	4	4	
Mathematics			4
Political Science 101	4		
Social Science Core Electives		4	4
Physical Education	0	0	0
Art 315, 325, 335; History	4	4	4
Art 201, 202, 203; Figure Drawing	4	4	4
	16	16	16

Junior

Science	4	4	4
Core Electives from two of the following areas:			
Health 179, Philosophy 101 or 201, Public Address 101	4	4	
Art 321; Watercolor			4
Foreign Language	4	4	4
Art 331; Oil Painting		4	
Art Electives	4		4
	16	16	16

Senior

Art 322, 423; Watercolor	4		4
Art Elective		4	
Art 332, 433; Oil Painting	4		
Art 470; Painting Project			4
Electives	8	8	8
	16	16	16

COMMERCIAL ART MAJOR

(Leading to the degree of Bachelor of Fine Arts)

Sophomore

English 201, 202	4	4	
Mathematics			4
Political Science 101	4		
Social Science Core Electives		4	4
Physical Education	0	0	0
Art 315, 325, 335; History	4	4	4
Art 201, 202; Figure Drawing	4	4	
Art 321; Watercolor			4
	16	16	16

Junior

Science	4	4	4
Core Electives from two of the following:			
Health 179, Philosophy 101 or 201, Public Address 101	4	4	
Art Elective			4
Art 341, 342, 343; Commercial	4	4	4
Foreign Language	4	4	4
	16	16	16

Senior

Art 441, 442, 443; Advertising	4	4	4
Art Elective	4	4	
Art 480; Advertising Project			4
Electives	8	8	8
	16	16	16

ART MAJOR

(Leading to the degree of Bachelor of Arts)

Sophomore

English 201, 202	4	4	
Mathematics			4
Political Science 101	4		
Social Science Core Electives		4	4
Art 315, 325, 335; History	4	4	4
*Art Sequence I	4	4	4
	16	16	16

Junior

Science	4	4	4
Core Electives from two of the following:			
Health 179, Philosophy 101 or 201, Public Address 101	4	4	
**Minor or Elective			4
Foreign Language	4	4	4
*Art Sequence II	4	4	4
	16	16	16

Senior

Foreign Language	4	4	
**Minor and Electives	12	12	12
	16	16	16

*Twelve hours of art from a single area constitutes a sequence.
**Minor hours must total twenty-eight from an approved subject field.

TEACHER CERTIFICATION CURRICULUM

(Leading to the degree of Bachelor of Arts)

Sophomore

English 201, 330	4	4	
Mathematics elective			4
Political Science 101	4		
Physical Science 104			4
Psychology 201		4	
Physical Education	0	0	0
History of Art 315, 325, 335	4	4	4
Public School Art 108	4		
Elementary School Art 109		4	
Social Science elective—One course from the following			4
Economics 201 or 251, Sociology 103 or 201, Geography 103			
	16	16	16

Junior

Physical Science 105	4		
Biological Science 106, 107		4	4
Health 179	4		
Public Address 101		4	
Foundations in Education 328			4
Foreign Language	4	4	4
Methods in Art 451B		4	
Educational Psychology 319	4		
Sculpture 251, or Ceramics 255			4
	16	16	16

Senior

Foreign Language		4	4
Student Teaching 481B	12		
Principles of Teaching in High School 313	4		
Test and Measurements 469		4	
Commercial Art 342		4	
Human Growth and Development Part II 332			4
Stagecraft 302		4	
Crafts 412			4
Watercolor 324, or Oil 331			4
Art Education Project 492		2	2
	16	18	18

COURSE DESCRIPTIONS (ART)

101—**Beginning Drawing.** Four hours.

Basic problems in black and white sketching and modeling. Techniques for dry media such as pencil, conte crayon, charcoal.

102—**Intermediate Drawing.** Four hours.

Prerequisite: Art 101 or permission of instructor.

Fluid media techniques; pen and ink; felt nibs; wash. More emphasis on composition.

103—**Advanced Drawing.** Four hours.

Prerequisite: Art 102 or permission of instructor.

Creative drawing in all media. Introduction of color. Emphasis on interpretation and composition.

107—**Introductory Art.** Four hours.

For students in the teaching programs.

Fundamentals of lettering, drawing, perspective, light and shade, color theory, and design.

108—**Public School Art.** Four hours.

For students majoring or minoring in Art for teacher certification. Fundamentals of lettering, drawing, perspective, light and shade, color theory, and design for the art teacher.

109—**Elementary School Art.** Four hours.

Prerequisite: Art 107.

An application of material from Art 107 to the classroom situation. Problems in this course follow work suggested by the "Mississippi Course of Study in Art for Elementary Schools."

111—**Beginning Design.** Four hours.

Study of the terms of visual design: problems involving all the design elements in non-objective and more figurative modes. A color theory and some lettering.

112—**Intermediate Design.** Four hours.

Prerequisite: Art 111, or permission of the instructor.

Further study of the creative approach to design in a variety of media and techniques.

113—**Advanced Design.** Four hours.

Prerequisite: Art 112, or permision of the instructor.

A course in design applied to some reproductive techniques and three dimensional expressions.

120—**Art Appreciation.** Four hours.

An introductory course providing a background for art appreciation. An approach to the understanding of the plastic arts.

201—**Figure Drawing.** Four hours.
Prerequisites: Permission of the instructor.
Study of the construction and use of the human figure in design. Drawing from the model in various media.

202—**Figure Drawing.** Four hours.
A continuation of 201.

203—**Figure Drawing.** Four hours.
A continuation of 202.

251—**Sculpture.** Four hours.
Problems in ceramic sculpture. Study of glazes mixing and application. Firing.

261—**Graphic Arts.** Four hours.
Prerequisites: Art 103 and 113 or equivalent, or permission of the instructor.
A study of design for, and techniques of, the various graphic arts (etching, drypoint, lithograph). Studio problems in some of the above techniques.

315—**History of Art.** Four hours.
Pre-Historic to Medieval. A survey course.

321—**Watercolor Painting.** Four hours.
Prerequisite: Art 103 and 113, or permission of the instructor.

322—**Watercolor Painting.** Four hours.
Prerequisite: Art 321.
Continuation of Art 321 with problems in opaque media.

325—**History of Art.** Four hours.
Medieval to Eighteenth Century. A survey course.

331—**Oil Painting.** Four hours.
Prerequisites: Art 103 and 113 or permission of the instructor.
Studies in the techniques of oil painting. Color, composition, and surface quality stressed.

332—**Oil Painting.** Four hours.
Prerequisite: Art 331.
Further study in oil techniques. Greater emphasis on subject matter or content.

335—**History of Art.** Four hours.
Eighteenth Century through Modern. A survey course.

341—**Commercial Art.** Four hours.
Prerequisites: Art 103 and 113, or permission of the instructor.
Recommended for those interested in any form of commercial art. The rendering of objects and materials for commercial presentation.

342—**Commercial Art.** Four hours.
Prerequisites: Art 103 and 113 or permission of the instructor.
Hand and precision lettering and advertising and show card layout.

343—**Commercial Art.** Four hours.
Prerequisites: Art 341, 342, or permission of the instructor.
A study of commercial illustrative techniques and their application to a variety of layout problems.

352—**Sculpture.** Four hours.
Prerequisite: Art 251.

Work with larger solid clay forms for casting. The use of armatures and various types of molds.

355—**Ceramics I.** Four hours.
Prerequisites: Art 103 and 113 or permission of the instructor.
The use of ceramic materials as a means of expression. Experiences in hand forming, application of glazes, and firing.

356—**Ceramics II.** Four hours.
Prerequisite: Art 355.
A continuation of Art 355. Experiences in wheel forming, slip casting, and glazemaking.

362—**Graphic Arts.** Four hours.
Prerequisite: Art 261.
Further problems in design and production using various graphic media.

370—**Illustration.** Four hours.
Prerequisites: Art 201 and 103, or permission of instructor.
Practical problems in the illustration of poems and short stories. Black and white and color studies involving the relation of medium and technique to subject.

392—**Special Projects for Elementary Teachers I & II.**
Prerequisite: Art 107. Two hours each.
Projects in art and methods of presentation to children in the grades. Need not be taken in sequence.

410—**Ancient Art.** Four hours.
Prerequisite: Art 315.
The artistic achievements of the ancient world. A careful analysis of important examples correlated with their background.

412—Crafts. Four hours.
Pre-requisite: permission of instructor.
An orientation for prospective teachers and other art majors in the craft areas: dealing with such projects as jewelry, metal craft, enameling, leather, stitchery, and with similar materials and techniques.

420—**Medieval Art.** Four hours.
Prerequisite: Art 325.
A study of the art of the western civilizations from the fall of the Roman Empire to the end of the Fourteenth Century including Early Christian and Byzantine sources.

423—**Watercolor Painting.** Four hours.
Advanced study in opaque and transparent watercolor. Experiments with mixed media.

430—**Renaissance Art.** Four hours.
Prerequisite: Art 325.
The art of Italy, France, Germany, Spain and the Low Countries from the close of the Middle Ages through the sixteenth century.

433—**Oil Painting.** Four hours.
Further study in oils based on experiments in Arts 331 and 332 with special emphasis on techniques and specialized subject matter fields.

440—**Baroque and Rococo Art.** Four hours.
Prerequisites: Art 325 and 335.
The tracing of these movements through the western world from the close of the sixteenth through the eighteenth century.

441—**Advertising Design.** Four hours.
Prerequisite: Art 343 or permission of the instructor.
Practical problems in advertising design with particular attention to modern reproduction methods and preparation of suitable copy.

442—**Advertising Design.** Four hours.
Prerequisite: Art 441.
A continuation of Art 441 including a study of color separation techniques and typographic experiments.

443—**Advertising Design.** Four hours.
Prerequisite: Art 442.
A continuation of Art 442 with particular emphasis on professional procedure.

450—**Nineteenth Century Art.** Four hours.
Prerequisite: Art 335.
An analysis of Neo-Classicism, Romanticism, Realism and Impressionism.

453—**Sculpture.** Four hours.
Prerequisite: Art 352.
Problems in wood, stone and metal sculpture.

457—**Ceramics III.** Four hours.
Prerequisite: Art 356.
A continuation of Art 356. An application of ceramic techniques to a variety of expressive forms. Further experiments with clay bodies, firing, and glazing.

460—**Twentietn Century Art.** Four hours.
Prerequisite: Art 335.
An analysis of Fauvism, Cubism, Futurism, Surrealism, and Expressionism.

463—**Graphic Arts.** Four hours.
A continuation of Art 362.

470—**Painting Project.** Four hours.
Prerequisites: Art 433, 423, or permission of instructor.
Full quarter series or unit project in painting involving considerable research. Seminar.

480—**Advertising Project.** Four hours.
Prerequisite: Art 443 or permission of instructor.
Full quarter series or unit project in advertising design and presentation involving considerable research. Seminar.

492—**Art Education Project.** Two-four hours.
Prerequisite: Art 109.
A research project of considerable scope and depth in the area of specialized art teaching and supervision. Should be repeated to total of four hours credit by Art Education majors.

MUSIC AND MUSIC EDUCATION

The University of Southern Mississippi is a member of the National Association of Schools of Music and is accredited by that organization. Requirements for entrance and for graduation are in accordance with the published regulations of this Association.

Entrance examinations in music theory are given all Freshman music students. Transfer students are given validation examinations in theory and in their applied areas.

Students desiring to major in music can elect piano, organ, voice, violin, viola, violoncello, string bass, flute, oboe, clarinet, bassoon, French horn, saxaphone, baritone, trumpet, trombone, tuba, music history and literature, theory-composition, church music, or vocal or instrumental music education as a major. Any student of the university not registered for a music degree may pursue such courses in music as he wishes if he pays the required fees.

Music majors who have taken music courses under private instruction or in such way as not to receive credit may be excused from required courses in the music curriculum on the basis of tests of proficiency.

Every music major is required to participate in the same major organization for 12 quarters, with the exception of music education majors, who will be excused the quarter of their internship. Departmental approval must be received if the student wishes to change organization. In addition, the student will be allowed to participate in one other ensemble. Permission for participation in more than two ensembles must be granted by the Dean of the School.

The student who wishes to take a B.A. or B.S. degree and minor in music may do so by taking the following distribution of courses:

Music Theory 101, 102, 103	12 hours
Survey of Music Literature 131, 132, 133	6 hours
Conducting 331, 332, 333	3 hours
Piano	6 hours
Voice	3 hours
Instrument Electives	3 hours
Music Electives	9 hours
Total	42 hours

DEPARTMENT OF MUSIC (MUS)

David Foltz, Chairman
Avery, Baylis, Benner, Cavendish, Donohue, Harmon, Hays, Huck, Imbragulio, Monachino, Presser, Stocker, Ware

APPLIED MUSIC CURRICULA

These curricula provide instruction designed to prepare a student for a career as a professional musician or private teacher. Careful attention is given to the development of technique, interpretation, and musicianship. A broad knowledge of literature and musical styles is emphasized.

Candidates for the degree of Bachelor of Music in applied music must present recitals selected from composers of the classic, romantic, and modern schools of composition in their senior year.

WIND MAJOR

(Leading to the degree of Bachelor of Music)

Freshman

Music Theory 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
English 101, 102, 103	4	4	4
History 101, 102	4	4	
Political Science 101			4
Physical Education	0	0	0
Piano 101-1, 102-1, 103-1	1	1	1
Major Wind Instrument	2	2	2
Band or Orchestra 181B, 182B, 183B, or 181A, 182A, 183A	0	0	0
	17	17	17

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Social Science Core Electives	4	4	
Physical Education	0	0	0
Science	4	4	4
Math 100 or 101			4
Piano 201-1, 202-1, 203-1	1	1	1
Major Wind Instrument	2	2	2
Band or Orchestra 281B, 282B, 283B, or 281A, 282A, 283A	0	0	0
	17	17	17

Junior

Harmonic and Formal Analysis 301, 302, 303	2	2	2
Counterpoint, 321, 322, 323	2	2	2
Ensemble 371, 372, 373	2	2	2
Conducting 331, 332, 333	1	1	1
Voice Class 301, 302	3	3	
Major Wind Instruments	3	3	3
Italian, French, or German	4	4	4
Band or Orchestra 381B, 382B, 383B, or 381A, 382A, 383A	0	0	0
	17	17	14

Senior

Orchestration 401, 402	3	3	
Adv. Ensemble 471, 472, 473	2	2	2
Wind Pedagogy 451E, 452E, 453E	2	2	2
Instrumental Literature 441D, 442D, 443D	2	2	2
Major Instrument	3	3	3
Recital 415			3
String Class 455	2		
Woodwind Class 457		2	
Brass Class 459			2
Electives	2	2	
Band or Orchestra 481B, 482B, 483B, or 481A, 482A, 483A	0	0	0
	16	16	14

PIANO MAJOR

(Leading to degree of Bachelor of Music)

Freshman

Music Theory 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
English 101, 102, 103	4	4	4
History 101, 102	4	4	
Political Science 101			4
Physical Education	0	0	0
Piano 101-3, 102-3, 103-3	3	3	3
Orch., Band, or Chorus 181 A, B, or C; 182 A, B, or C; 183 A, B, or C	0	0	0
	17	17	17

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Social Science Core Electives	4	4	
Physical Education	0	0	0
Science	4	4	4
Math 100 or 101			4
Piano 201-3, 202-3, 203-3	3	3	3
Orch., Band, or Chorus 281 A, B, or C; 282 A, B, or C; 283 A, B, or C	0	0	0
	17	17	17

Junior

Harmonic & Formal Analysis 301, 302, 303	2	2	2
Counterpoint 321, 322, 323	2	2	2
Ensemble 371, 372, 373	2	2	2
Conducting 331, 332, 333	1	1	1
Voice Class 301, 302	3	3	
Piano 301-3, 302-3, 303-3	3	3	3
Italian, French, or German	4	4	4
Orch., Band, or Chorus 381 A, B, or C; 382 A, B, or C; 383 A, B, or C	0	0	0
	17	17	14

Senior

Orchestration 401, 402	3	3	
Adv. Ensemble 471, 472, 473	2	2	2
Piano Pedagogy 451B 452B, 453B	2	2	2
Piano Literature 441B, 442B, 443B	2	2	2
Piano 401-4, 402-4, 403-4	4	4	4
Recital 415			3
Electives	4	4	2
	17	17	15

ORGAN MAJOR

(Leading to degree of Bachelor of Music)

Freshman

Music Theory 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
English 101, 102, 103	4	4	4
History 101, 102	4	4	
Political Science 101			4
Physical Education	0	0	0
Piano 101-1, 102-1, 103-1	1	1	1
Organ 111-2, 112-2, 113-2	2	2	2
Orch., Band, or Chorus 181 A, B, or C; 182 A, B, or C; 183 A, B, or C	0	0	0
	17	17	17

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Social Science Core Electives	4	4	
Physical Education	0	0	0
Science	4	4	4
Math 100 or 101			4
Piano 201-1, 202-1, 203-1	1	1	1
Organ 211-2, 212-2, 213-2	2	2	2
Orch., Band, or Chorus 281 A, B, or C; 282 A, B, or C; 283 A, B, or C	0	0	0
	17	17	17

Junior

Harmonic & Formal Analysis 301, 302, 303	2	2	2
Counterpoint 321, 322, 323	2	2	2
Ensemble 371, 372, 373	2	2	2
Conducting 331, 332, 333	1	1	1
Voice Class 301, 302	3	3	0
Organ 311-3, 312-3, 313-3	3	3	3
Italian, French, or German	4	4	4
Orch., Band, or Chorus 381 A, B, or C; 382 A, B, or C; 383 A, B, or C	0	0	0
	17	17	14

Senior

Orchestration 401, 402	3	3	
Adv. Ensemble 471, 472, 473	2	2	2
Organ Pedagogy 451C, 452C, 453C	2	2	2
Organ Literature 441C, 442C, 443C	2	2	2
Organ 411-3, 412-3, 413-3	3	3	3
Recital 415			2
Electives	2	2	2
Gregorian Chant 461	2		
Hymnology 462		2	
Administration of Church Music 463			2
Orch., Band, or Chorus 481 A, B, or C; 482 A, B, or C; 483 A, B, or C	0	0	0
	16	16	15

STRING MAJOR

(Leading to degree of Bachelor of Music)

Freshman

Music Theory, 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
English 101, 102, 103	4	4	4
History 101, 102	4	4	
Political Science 101			4
Physical Education	0	0	0
Piano 101-1, 102-1, 103-1	1	1	1
Major Instrument 121-2, 122-2, 123-2	2	2	2
Orchestra or Band 181A, 182A, 183A, or 181B, 182B, 183B	0	0	0
	17	17	17

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Social Science Core Electives	4	4	4
Physical Education	0	0	0
Science	4	4	4
Math 100 or 101			4
Piano 201-1, 202-1, 203-1	1	1	1
Major String Instrument 221-2, 222-2, 223-2	2	2	2
Orchestra or Band 281A, 282A, 283A, or 281B, 282B, 283B	0	0	0
	17	17	17

Junior

Harmonic & Formal Analysis 301, 302, 303	2	2	2
Counterpoint 321, 322, 323	2	2	2
Ensemble 371, 372, 373	2	2	2
Conducting 331, 332, 333	1	1	1
Voice Class 301, 302	3	3	0
Major String Instrument 321-3, 322-3, 323-3	3	3	3
Italian, French, or German	4	4	4
Orchestra or Band 381A, 382A, 383A, or 381B, 382B, 383B	0	0	0
	17	17	14

Senior

Orchestration 401, 402	3	3	
Adv. Ensemble 471, 472, 473	2	2	2
String Pedagogy 451D, 452D, 453D	2	2	2
Instrumental Literature 441D, 442D, 443D	2	2	2
Major String Instrument 421-3, 422-3, 423-3	3	3	3
Recital 415			2
String Class 455	2		
Woodwind Class 457		2	
Brass Class 459			2
Electives	2	2	
Orchestra or Band 481A, 482A, 483A, or 481B, 482B, 483B	0	0	0
	16	16	14

VOICE MAJOR

(Leading to degree of Bachelor of Music)

Freshman

Music Theory 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
English 101, 102, 103	4	4	4

History 101, 102	4	4	
Political Science 101			4
Physical Education	0	0	0
Piano 101-1, 102-1, 103-1	1	1	1
Voice 161-2, 162-2, 163-2	2	2	2
Chorus 181C, 182C, 183C	0	0	0
	17	17	17

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Social Science Core Electives	4	4	
Physical Education	0	0	0
Science	4	4	4
Math 100 or 101			4
Piano 201-1, 202-1, 203-1	1	1	1
Voice 261-2, 262-2, 263-2	2	2	2
Chorus 281C, 282C, 283C	0	0	0
	17	17	17

Junior

Harmonic & Formal Analysis 301, 302, 303	2	2	2
Counterpoint 321, 322, 323	2	2	2
Opera Workshop 341, 342, 343	2	2	2
Conducting 331, 332, 333	1	1	1
Italian, French, or German	4	4	4
Voice 361-3, 362-3, 363-3	3	3	3
Electives	2	2	
Psychology 201			4
Chorus 381C, 382C, 383C	0	0	0
	16	16	18

Senior

Orchestration 401, 402	3	3	
Opera Workshop 441, 442, 443	2	2	2
Voice Pedagogy 451A, 452A, 453A	2	2	2
Voice Literature 441A, 442A, 443A	2	2	2
Diction 401, 402, 403	1	1	1
Social Studies electives	4	4	
Voice 461-3, 462-3, 463-3	3	3	3
Recital 415			3
Chorus 481C, 482C, 483C	0	0	0
	17	17	13

The Curriculum in Church Music

The curriculum in church music, with either voice or organ as a major, is designed to provide a thorough and complete course of training for those who intend to pursue church music as a full time profession. Special emphasis is placed on literature to be used in the church services. A recital must be presented on the major instrument during the senior year to be a candidate for the degree of Bachelor of Music with Church Music as the major. Students will not be enrolled for organ until satisfactory proficiency at the piano has been demonstrated.

CHURCH MUSIC MAJOR

(Leading to degree of Bachelor of Music)

Freshman

Music Theory 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2

Major Applied Music (organ or voice)	2	2	2
Piano 101-1, 102-1, 103-1	1	1	1
English 101, 102, 103	4	4	4
History 101, 102	4	4	
Political Science			4
Physical Education	0	0	0
Chorus 181C, 182C, 183C	0	0	0
	17	17	17

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Major Applied Music (organ or voice)	2	2	2
Piano 201-1, 202-1, 203-1	1	1	1
Social Science Core Electives	4	4	
Science	4	4	4
Math 100 or 101			4
Physical Education	0	0	0
Chorus 281C, 282C, 283C	0	0	0
	17	17	17

Junior

Harmonic & Formal Analysis 301, 302, 303	2	2	2
Counterpoint 321, 322, 323	2	2	2
Major Applied Music (organ or voice)	3	3	3
Minor Applied Music (voice or organ)	1	1	1
Conducting 331, 332, 333	1	1	1
History of Church Music 351, 352, 353	2	2	2
Elementary Music Methods 311	2		
Intermediate Music Methods 312		2	
Junior High School Methods 313			2
Old Testament 201	4		
New Testament 202		4	
Elective			4
Chorus 381C, 382C, 383C	0	0	0
	17	17	17

Senior

Composition 311, 312, 313	2	2	2
Advanced Choral Conducting	2	2	2
Major Applied Music (organ or voice)	3	3	3
Minor Applied Music (voice or organ)	1	1	1
Gregorian Chant 461	2		
Hymnology 462		2	
Administration of Church Music 463			2
Liturgies 471, 472, 473	2	2	2
Italian, French, or German	4	4	4
Recital 415			2
Chorus 481C, 482C, 483C	0	0	0
	16	16	16

The Curriculum in Music History and Literature

The curriculum in music history and literature is planned for those who intend to teach on the college level or for those who desire careers in musical journalism, music publishing, or the recording industry; fields in which a wide and comprehensive knowledge of music history and literature is essential.

The major in music literature will receive a strong foundation not only in his chosen field but also in theory and in academic subjects which will enrich the student's cultural background. Such a student will be well equipped for graduate study leading to the Ph.D. in musicology.

MUSIC HISTORY AND LITERATURE MAJOR

(Leading to degree of Bachelor of Music)

Freshman

Music Theory 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
Piano 101-1, 102-1, 103-1	1	1	1
Applied Music Electives	2	2	2
English 101, 102, 103	4	4	4
History 101, 102	4	4	
Political Science			4
Physical Education	0	0	0
Orch., Band, or Chorus 181A, B, or C; 182A, B, or C; 183A, B, C	0	0	0
	17	17	17

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Piano 201-1, 202-1, 203-1	1	1	1
Applied Music Electives	2	2	2
Science	4	4	4
Italian, French, or German	4	4	4
Physical Education	0	0	0
Orch., Band, or Chorus 281A, B, or C; 282A, B, or C; 283A, B, or C	0	0	0
	17	17	17

Junior

Harmonic & Formal Analysis 301, 302, 303	2	2	2
Counterpoint 321, 322, 323	2	2	2
Baroque Music 331	4		
Eighteenth Century Music 332		4	
Nineteenth Century Music 333			4
Conducting 331, 332, 333	1	1	1
Applied Music Elective	2	2	2
History of Church Music 351, 352, 353	2	2	2
Social Science Core Electives	4	4	
Political Science 101			4
Orch., Band, or Chorus 381A, B, or C; 382A, B, or C; 383A, B, or C	0	0	0
	17	17	17

Senior

Music Literature Electives 441, 442, 443	4	4	4
Orchestration 401, 402	3	3	
History of Opera 431	4		
American Music 432		4	
Twentieth Century Music 433			4
Applied Music Electives	2	2	2
Electives	4	4	4
Orch., Band, or Chorus 481A, B, or C; 482A, B, or C; 483A, B, or C	0	0	0
	17	17	14

The Curriculum in Theory-Composition

This course is designed to prepare the student for teaching theory and composition, writing and arranging music of serious intent, and arranging and writing music of a commercial nature. Various steps in the preparation of music from the preliminary sketch to the published composition are included. The student will become familiar with the Musicwriter, Vari-Typer, diazo-printing, offset-printing, copyright law, and the sale, distribution and promotion of published music.

THEORY—COMPOSITION MAJOR

(Leading to Degree of Bachelor of Music)

Freshman

Music Theory 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
Piano 101-1, 102-1, 103-1	1	1	1
Applied Music Electives	2	2	2
English 101, 102, 103	4	4	4
History 101, 102	4	4	
Political Science 101			4
Physical Education	0	0	0
Orch., Band, or Chorus 181A, B, or C; 182A, B, or C; 183A, B, or C...	0	0	0
	17	17	17

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Piano 201-1, 202-1, 203-1	1	1	1
Applied Music Electives	2	2	2
Social Science Core Electives	4	4	
Science	4	4	4
Math 100 or 101			4
Physical Education	0	0	0
Orch., Band, or Chorus 281A, B, or C; 282A, B, or C; 283A, B, or C...	0	0	0
	17	17	17

Junior

Harmonic & Formal Analysis 301, 302, 303	2	2	2
Counterpoint 321, 322, 333	2	2	2
Composition 311, 312, 313	2	2	2
Orchestration 401, 402	3	3	
Conducting 331, 332, 333	1	1	1
Voice 161-2, 162-2, 163-2	2	2	2
Applied Music Electives	1	1	1
Italian, French, or German	4	4	4
Orch., Band, or Chorus 381A, B, or C; 382A, B, or C; 383A, B, or C...	0	0	0
	17	17	16

Senior

Advanced Counterpoint 421, 422, 423	2	2	2
Advanced Composition 411, 412, 413	2	2	2
Advanced Orchestration 405, 406, 407	2	2	2
Strings Class 455	2		
Woodwinds Class 457		2	
Brass Class 459			2
Percussion Class Methods 429			2
Applied Music Electives	2	2	2
Electives	4	4	
Music Literature Electives	2	2	2
Orch., Band, or Chorus 481A, B, or C; 482A, B, or C; 483A, B, or C...	0	0	0
	16	16	14

COURSE DESCRIPTIONS (MUS)

101-102-103—Music Theory. Four hours each.

Prerequisite: A knowledge of music notation.

Scales, intervals, and part-writing, using triads, the dominant seventh chord, non-harmonic tones and modulation. Correlated keyboard harmony and dictation. Sight-singing in bass and treble clefs.

131-132-133—Survey of Music Literature. Two hours each.

A cultural course in the appreciation and understanding of music.

165—**The Enjoyment of Music.** Four hours.

Prerequisite: None.

Study of the basic elements of music necessary for intelligent listening and appreciation; survey of the history of music in its social and cultural context.

This course satisfies the Fine Arts requirement in the University core but may not be applied toward a Bachelor of Music, Bachelor of Music Education, or a music minor. Music minors are to take Music 131-32-33 in lieu of this course.

201-202-203—**Advanced Music Theory.** Four hours each.

Prerequisite: Music Theory 101, 102, 103.

Part-writing, including secondary seventh chords, borrowed chords, altered chords, and foreign modulation. Correlated keyboard harmony, dictation, and sight-singing.

231-232-233—**History of Music.** Two hours each.

Prerequisite: 131, 132, 133 and 101, 102, 103

Music of primitive nations; rise and developments of liturgy; the Polyphonic Age; the rise of opera and oratoria; the periods of Bach and Handel, Haydn, and Mozart; advent of Beethoven; American musical development.

301-302-303—**Harmonic and Formal Analysis.** Two hours.

Prerequisite: Advanced Music Theory 201, 202, 203.

Music of various periods is analyzed formally, harmonically, and contrapuntally.

311-312-313—**Composition.** Two hours.

Prerequisite: 301, 302, 303 and 321, 322, 323.

Composition in the smaller forms. Contemporary and stylistic techniques. Steps in the preparation of music for publication are included.

321-322-323—**Counterpoint.** Two hours each.

Prerequisite: Advanced Music Theory 201, 202, 203.

Two, three, and four-voice contrapuntal writing in the style of Palestrina and/or Bach.

331-G331—**Baroque Music.** Four hours.

Rise of oratorio and opera; keyboard literature; development of the concerto principle; instrumental ensembles; sacred and secular cantatas; performance practice. Open to non-music majors with consent of instructor. Offered 1965-66 and in alternate years.

332-G332—**18th Century Music.** Four hours.

Development of the sonata-concept and its application to musical forms through Beethoven; performance practice. Open to non-music majors with consent of instructor. Offered 1965-66 and in alternate years.

333-G333—**19th Century Music.** Four hours.

Origins of musical romanticism; expansion of the sonata-concept; symphonic poem and music drama; piano works and Lieder; nationalism. Open to non-music majors with consent of instructor. Offered 1965-66 and in alternate years.

351-352-353—G351, G352, G353—**History of Church Music.** Two hours.

History of Christian Church music, with emphasis on the use of literature; history of organ music with emphasis on its use in the church service; and history of choral music with emphasis on its use in the church service.

401-402—**Orchestration.** Three hours each.
Prerequisite: Advanced Music Theory 201, 202, 203.
A study of the instruments of the band and orchestra. Scoring for instrumental and vocal combinations.

405-406-407—G405, G406, G407—**Advanced Orchestration.** Two hours each.
Prerequisites: 401, 402, 403.

411-412-413—G411, G412, G413—**Advanced Composition.** Two hours each.
Prerequisites: 311, 312, 313.
Writing in larger forms for various choral and instrumental combinations.

421-422-423—G421, G422, G423—**Advanced Counterpoint.** Two hours each.
Prerequisite: 321, 322, 324.
Eighteenth century canons and fugal writing. Sixteenth century writing in madrigal style.

430—G430—**Musical Acoustics. Four hours** (winter and summer).
An investigation of the nature and perception of musical sounds designed to lead to a better understanding of problems of tone production, intonation, and allied musical aspects.

431-G431—**History of Opera.** Four hours.
The history of the musical theatre from Greek drama to the present. Open to non-music majors with consent of instructor. Offered 1964-65 and alternate years.

432-G432—**American Music.** Four hours.
A study of the development of music in North America with particular emphasis in three areas: (1) European heritage, (2) jazz, (3) composers of the twentieth century whose idiom evidences strong roots in American culture. Open to nnn-music majors with consent of instructor. Offered 1964-65 and alternate years.

433-G433—**20th Century Music.** Four hours.
Examination of musical trends since Debussy and Mahler. Open to non-music majors with consent of instructor. Offered 1964-65 and alternate years.

441A-442A-443A—G441A, G442A, G443A—**Vocal Literature.** Two hours each.
Required of all senior voice majors.

441B-442B-443B—G441B, G442B, G443B—**Piano Literature.** Two hours each.
Required of all senior piano majors.

441C-442C-443C—G441C, G442C, G443C—**Organ Literature.** Two hours each.
Required of all senior organ majors.

441D-442D-443D—G441D, G442D, G443D—**Instrumental Literature.** Two hours each.
Required of all senior instrumental majors.

441E-442E-443E—G441E, G442E, G443E—**Choral Literature.** Two hours each.
A survey of accompanied and unaccompanied choral music from Gregorian chant to the present. Open to non-music majors with consent of instructor.

441F-442F-443F—G441F, G442F, G443F—**Symphonic Literature.** Two hours each.
The history and literature of the symphony orchestra from 1600 to the present. Open to non-music majors with consent of instructor.

441H-442H-443H—G441H, G442H, G443H—**Chamber Music.** Two hours each.

A survey of music for small instrumental ensembles. Open to non-music majors with consent of instructor.

461-G461—Gregorian Chant. Two hours.

This course is designed to acquaint the student with the history and development of Gregorian Chant. Practical experience in conducting Gregorian Chant is offered also.

462-G462—Hymnology. Two hours.

The history of the Christian Hymn from its roots to present-day forms.

463-G463—Administration of Church Music. Two hours.

Practical aspects of Church Music are presented in this course, such as: building a church library, organizing and directing the various choirs of the church, the volunteer choir system, directing from the console, etc.

471-472-473—G471, G472, G473—Liturgies. Two hours each.

Liturgy in worship; the Jewish, Eastern Orthodox, and Roman Catholic liturgies and their music; liturgies of the Reformation period; music of the Lutheran, Calvinist, and Anglician churches; music of the non-liturgical churches.

DEPARTMENT OF MUSIC EDUCATION (MED)

William Gower, Chairman

Becker, Carnovale, Gilvin, Hong, Lynch, McDonald

Maier, Moody, Neumann, Pound, Saetre, Young

The courses in Music Education are designed to give thorough and practical training in music pedagogy, as well as the preparation in practical and theoretical music, psychology, education, and cultural subjects, necessary for a music specialist of broad background. The following curricula are planned to meet the demands of modern music eduation.

MUSIC EDUCATION MAJOR

Piano or Voice Major

General Supervisor

(Leading to degree of Bachelor of Music Education)

Freshman

Music Theory 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
Major Applied Music (piano or voice)	2	2	2
Minor Applied Music (piano or voice)	1	1	1
English 101, 102, 103	4	4	4
History 101, 102	4	4	
Political Science 101			4
Physical Education	0	0	0
Chorus 181C, 182C, 183C	0	0	0
	17	17	17

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Major Applied Music (piano or voice)	2	2	2
Minor Applied Music (piano or Voice)	1	1	1
English Literature 201	4		

Math 100 or 101	4		
Psychology 201			4
Physical Science 104, 105	4	4	
Biological Science I 106			4
Physical Education	0	0	0
Chorus 281C, 282C, 283C	0	0	0
	17	17	17

Junior

Harmonic & Formal Analysis 301, 302, 303	2	2	2
Elmentary Music Methods 311	2		
Intermediate Music Methods 312		2	
Junior High School Methods 313			2
Major Applied Music (piano or voice)	2	2	2
Minor Applied Music (piano or voice)	2	2	2
Conducting 331, 332, 333	1	1	1
Biological Science II 107	4		
Social Studies Core Elective		4	
Health 179			4
Education Psychology 319	4		
Psychology of Human Growth & Development 332 or 316		4	
Brass Methods 459			2
Opera Workshop 343			2
Chorus 381C, 382C, 383C	0	0	0
	17	17	17

Senior

Orchestration 401, 402	3	3	
Senior High School Music Methods 421	2		
Senior H. S. Choral Methods & Literature 422A		2	
Curriculum Problems in Music Education 423A		2	
String Methods 455	2		
Woodwinds Methods 457		2	
Opera Workshop 441	2		
Major Applied Music (piano or voice)	4	4	
Minor Applied Music (piano or voice)		2	
Education Elective		2	
Public Address 101	4		
Principles of Teaching in High School 313			4
Student Teaching 481S			12
Chorus 481C, 482C, 483C	0	0	0
	17	17	16

MUSIC EDUCATION MAJOR

Instrumental Supervisor

(Leading to degree of Bachelor of Music Education)

Freshman

Music Theory 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
Major Instrument	1	1	1
*Piano 101-1, 102-1, 103-1	1	1	1
English 101, 102, 103	4	4	4
History 101, 102	4	4	
Political Science 101			4
Physical Education	0	0	0
Band or Orchestra 181B, 182B, 183B, or 181A, 182A, 183A	0	0	0
	16	16	16

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Major Instrument	1	1	1
*Piano 201-1, 202-1, 203-1	1	1	1
English Literature 201	4		
Math 100 or 101	4		
Psychology 201			4
Physical Science 104, 105	4	4	
Biological Science I 106			4
Physical Education	0	0	0
Band or Orchestra 281B, 282B, 283B, or 281A, 282A, 283A	0	0	0
	16	16	16

*A pianist who elects the Instrumental Supervision curriculum must substitute six hours in private study of appropriate instruments.

Junior

Harmonic & Formal Analysis 301, 302, 303	2	2	2
Elementary Music Methods 311	2		
Intermediate Music Methods 312		2	
Junior High School Methods 313			2
Woodwind Methods 327	2		
String Methods 325		2	
Advanced String Methods 425			2
Percussion Methods 429			2
Brass Methods 329			2
Conducting 331, 332, 333	1	1	1
Major Instrument	2	2	2
**Minor Instrument	1	1	1
Biological Science II 107	4		
Social Studies Core Elective		4	
Health 179			4
Educational Psychology 319	4		
Psy. of Human Growth & Development 332		4	
Band of Orchestra 381B, 382B, 383B, or 381A, 382A, 383	0	0	0
	18	18	18

Senior

Orchestration 401, 402	3	3	
Senior High Methods 421	2		
Senior High Instrumental Methods 422B		2	
Organization & Administration of School Orch. & Bands 423B		2	
Advanced Wind Methods 427		2	
Voice Class 301, 302	3	3	
Major Instrument	3	3	
**Minor Instrument	1	1	
Education Elective	2		
Public Address 101	4		
Principles of Teaching in High School 313			4
Student Teaching 481S			12
Band or Orchestra 481B, 482B, 483B, or 481A, 482A, 483A	0	0	0
	18	16	16

**An Instrumental education major is required to study two minor instruments. One is to be a stringed instrument, the other a wind instrument selected from the family (woodwinds or brass) other than that of his major instrument. Percussion majors will select a stringed instrument and either a brass or woodwind.

COURSE DESCRIPTIONS (MED)

301-302—Voice Class. Three hours each.

A course designed to give a general knowledge of the principles of good singing. Primarily for instrumental and piano majors, but open to non-music majors with consent of instructor.

311—**Elementary Music Methods.** Two hours. (Fall)
This course covers those areas essential to the music specialist who will teach in the elementary grades—including rhythmic, listening, singing, and instrumental activities—with emphasis on primary grades one, two, and three.

312—**Intermediate Music Methods.** Two hours. (Winter)
A continuation of 311, stressing intermediate grades four, five, and six.

313—**Junior High School Methods.** Two hours. (Spring)
Materials and methods appropriate for seventh, eighth, and ninth grades; continuation of part-singing; the adolescent voice; choral and instrumental activities; general music classes; materials suitable for junior high school students.

325—**Strings Methods.** Two hours. (Fall)
Practical class instruction on violin, viola, violoncello, and string bass; correct playing position for each instrument; problems of beginning string students; materials for public school classes.

327—**Woodwinds Methods.** Two hours. (Winter)
Practical class instruction on clarinet, flute, oboe, bassoon, and saxophone; basic embouchure and fingering problems; adjusting reeds; materials appropriate for use in public schools.

329—**Brass Methods.** Two hours. (Spring)
Class instruction of a practical nature on trumpet, mellophone, French horn, baritone, trombone, and tuba; problems of beginning brass students; examination of materials suitable for public school use.

331-332-333—**Conducting.** One hour each.
Prerequisite: 201, 202, 203.
Techniques of choral and instrumental conducting.

341-342-343—**Opera Workshop.** Two hours each.
An introduction to opera as a performing art. Acting and interpretative techniques for singers; participation in musical productions. Required of all junior voice majors. Open to any university student by permission of instructor.

361—**Music for Elementary Teachers I.** Four hours.
A laboratory course designed to provide students with a basic knowledge of principles of notation, basic rhythmics, singing, reading of music, and the use of the autoharp and piano as accompaniment instruments. May not be applied toward a Bachelor of Music or a Bachelor of Music Education degree.

362—**Music for Elementary Teachers II.** Four hours.
Prerequisite: 361.
Application of the fundamental skills of MED 361 in the study and selection of music materials and methods of presentation for the elementary school. May not be applied toward a Bachelor of Music or a Bachelor of Music Education degree.

363—**Principles of Music in Action.** 4 hours. (Winter and Summer)
Prerequisite: 362.
A further refinement in music skills designed specifically for the minor in Fine Arts for elementary teachers. A laboratory course in basic theory, keyboard, conducting, rhythmics, class instruments, and creative listening. May not be applied toward the Bachelor of Music or the Bachelor of Music Education degree.

382—**Recreational Music.** Four hours. (Winter)
Prerequisites: Music 361 or consent of instructor based upon a successful proficiency examination.
Materials and techniques useful in developing recreational music activities including vocal and instrumental ensembles, rhythm bands, musical games, and community singing.

390A, 391A, 392A—**Piano Workshop.** One and one-half hours each.

A course designed to meet the needs of the piano teacher, including a survey of standard materials together with a presentation of modern teaching methods. Each year the workshop utilizes the services of a nationally known guest consultant and lecturer.

390B, 391B, 392B—**Instrumental Workshop.** One and one-half hours each.

A survey and analysis of problems relating to instrumental music education through lecture, performance, and discussion with nationally recognized authorities in the field of instrumental music education.

390C, 391C, 392C—**Choral Workshop.** One and one-half hours each.

An examination, study, and analysis of choral techniques and procedures. A thorough study of literature in chronological order from early classics through modern and new publications. Organized and designed to meet the need of teachers now actively participating in professional work or anticipating entering the profession immediately.

390E, 391E, 392E—**Elementary Music Workshop.** One and one-half hours each.

Intensive examination of current problems, trends, and materials in the field of elementary music education, with outstanding guest consultants leading the lecture, discussion, and demonstration sessions.

401-402-403—**Diction.** One hour each.

Prerequisite: Junior Voice.

The correct use and pronunciation of English, French, Italian, and German as applied to vocal literature.

421—**Senior High Methods.** Two hours. (Fall)

Prerequisites: 311, 312, 313.

Organization and administration of music in the high school; music in the assembly, visual aids, elective music classes, concerts and festivals, tests and measurements; development of public school music in the United States; conrent philosophies of music education.

422A—**Senior High Methods; Choral.** Two hours. (Winter)

Prerequisite: 421.

Organization and administration of choral activities, voice class, small ensembles, boys glee club, girls glee club, chorus, public performances, and rehearsal techniques; materials for high school use.

422B—**Senior High Methods: Instrumental.** Two hours. (Winter)

Prerequisite: 421

Preparation for dealing with problems of rehearsal, instrumental ensembles, program building, and evaluation of materials.

423A-G423A—**Curriculum Problems in Music Education.** Two hours. (Spring)

Prerequisite: 422A.

Intensive investigation of current values and trends in music education in America.

423B-G423B—**Organization & Administration of School Orchestras and Bands.** Two hours. (Spring

Prerequisite: 422B.

Techniques of promoting and maintaining successful orchestra, bands, and instrumental ensembles; research by students; emphasis on problems of marching bands and pageantry.

424—**Instrument Repair.** Two hours.

A study of the techniques and materials necessary to perform minor repairs and adjustments on woodwind, brass, and stringed instruments.

425-G425—**Advanced Strings Methods.** Two hours each.

427-G427—**Advanced Winds Methods.** Two hours each.
Prerequisites: 327 and 329.

429-G429—**Percussion Methods.** Two hours each.
Percussion majors may take additional work in brass, woodwinds, or strings in lieu of this course.

431A-432A-433A—G431A, G432A, G433A—**Advanced Choral Conducting.** Two hours each.
Prerequisites: 331, 332, 333 and two years of voice.
Conducting and interpretation of representative works of the great choral schools and composers since the sixteenth century; opportunities for the formation of judgment of choral music. Church chorus and sacred music studied in fall quarter.

431B-432B-433B—G431B, G432B, G433B—**Advanced Instrumental Conducting.** Two hours each.

441-442-443—**Opera Workshop.** Two hours each.
A continuation of Music 341, 342, 343. Required of all senior voice majors.

451A-452A-453A—**Vocal Pedagogy.** Two hours each.
Comparison of pedagogical concepts; study of vocal production problems and anatomy of the vocal tract.

451B-452B-453B—**Piano Pedagogy.** Two hours each.
Modern methods of teaching; lectures, observation of private and class lessons; teaching piano to adults.

451C-452C-453C—**Organ Pedagogy.** Two hours each.
Required of all senior organ majors.

451D-452D-453D—**String Pedagogy.** Two hours each.
Required of all senior string majors.

451E, 452E, 453E—**Wind Pedagogy.** Two hours each.
Required of all senior wind majors.

455—**Strings Class.** Two hours.
Practical string class instruction on violin, viola, violoncello, and double bass; correct playing position for each instrument; materials for public school purposes. For music students not following the curriculum in Instrumental Supervision.

457—**Advanced Woodwinds Class.** Two hours.
Prerequisite: 327
Woodwind instruction of a practical nature on clarinet, flute, oboe, bassoon, and saxophone; advanced techniques and materials for public school purposes. For music students not following the curriculum in Instrumental Supervision.

459—**Brass Class.** Two hours.
Practical instruction on trumpet, French horn, baritone, trombone, and tuba; critical examination of materials appropriate for use in public schools. For music students not following the curriculum in Instrumental Supervision.

490A, 491A, 492A—G490A, G491A, G492A—**Piano Workshop.** One and one-half hours each.
A continuation of MED 390A, 391A, 392A.

490B, 491B, 492B—G490B, G491B, G492B—**Instrumental Workshop.** One and one-half hours each.
A continuation of MED 390B, 391B, 392B.

490C, 491C, 492C—G490C, G491C, G492C—**Choral Workshop.** One and one-half hours each.
A continuation of 390C, 391C, 392C.

490E, 491E, 492E—G490E, G491E, G492E—**Elementary Music Workshop.** One and one-half hours each.

APPLIED MUSIC AND ORGANIZATIONS (APM)

First Year

101-102-103	Piano	1-3 Hrs. Each
111-112-113	Organ	1-3 Hrs.
121-122-123	Strings	1-3 Hrs. Each
131-132-133	Woodwinds	1-3 Hrs. Each
141-142-143	Brass	1-3 Hrs. Each
151-152-153	Percussion	1-3 Hrs. Each
161-162-163	Voice	1-3 Hrs. Each
181A-182A-183A	Orchestra	No Credit
181B-182B-183B	Band	No Credit
181C-182C-183C	Chorus	No Credit
185A-186A-187A	Orchestra	1 Hr. Each
185B-186B-187B	Band	1 Hr. Each
185C-186C-187C	Chorus	1 Hr. Each

Second Year

201-202-203	Piano	1-3 Hrs. Each
211-212-213	Organ	1-3 Hrs. Each
221-222-223	Strings	1-3 Hrs. Each
231-232-233	Woodwinds	1-3 Hrs. Each
241-242-243	Brass	1-3 Hrs. Each
251-252-253	Percussion	1-3 Hrs. Each
261-262-263	Voice	1-3 Hrs. Each
281A-282A-283A	Orchestra	No Credit
Prerequisite: 181A, 182A, 183A		
281B-282B-283B	Band	No Credit
Prerequisite: 181B, 182B, 183B		
281C-282C-283C	Chorus	No Credit
Prerequisite: 181C, 182C, 183C		
285A-286A-287A	Orchestra	1 Hr. Each
Prerequisite: 185A, 186A 187A		
285B-286B-287B	Band	1 Hr. Each
Prerequisite: 185B, 186B, 187B		
285C-286C-287C	Chorus	1 Hr. Each
Prerequisite: 185C, 186C, 187C		

Third Year

301-302-303	Piano	1-4 Hrs. Each
311-312-313	Organ	1-4 Hrs. Each
321-322-323	Strings	1-4 Hrs. Each
331-332-333	Woodwinds	1-4 Hrs. Each
341-342-343	Brass	1-4 Hrs. Each
351-352-353	Percussion	1-4 Hrs. Each
361-362-363	Voice	1-4 Hrs. Each
371-372-373	Ensemble	2 Hrs. Each

Prerequisite: Junior standing in the applied music area concerned.

Instrumental ensemble in piano, organ, strings, and winds. The study and performance of two-piano literature, and/or ensemble works for string, piano, organ, voice, woodwinds, and brasses.

315—Recital. 0 Hrs.

381A-382A-383A Orchestra	No Credit
Prerequisite: 281C, 282C, 283C	
381-B382B-383B Band	No Credit
Prerequisite: 281B, 282B, 283B	
381C-382C-383C Chorus	No Credit
Prerequisite: 281C, 282C, 283C	
385A-386A-387A Orchestra	1 Hr. Each
Prerequisite: 285A-286A-287A	
385B-386B-387B Band	1 Hr. Each
Prerequisite: 285B-286B-287B	
385C-386C-387C Chorus	1 Hr. Each
Prerequisite: 285C-286C-287C	

Fourth Year

401-402-403	Piano	1-4 Hrs. Each
411-412-413	Organ	1-4 Hrs. Each
421-422-423	Strings	1-4 Hrs. Each
431-432-433	Woodwinds	1-4 Hrs. Each
441-442-443	Brass	1-4 Hrs. Each
451-452-453	Percussion	1-4 Hrs. Each
461-462-463	Voice	1-4 Hrs. Each
471-472-473	Advanced Ensemble	2 Hrs. Each

Prerequisite: 371, 372, 373, and senior standing in the applied music area concerned.

The study of chamber music literature with participation in public programs of chamber music.

415—Recital. (2-3) Hrs.

481A-482A-483A Orchestra	No Credit
Prerequisite: 381A-382A-383A	
481B-482B-483B Band	No Credit
Prerequisite: 381B-382B-383B	
481C-482C-483C Chorus	No Credit
Prerequisite: 381C-382C-383C	
485A-486A-487A Orchestra	1 Hr. Each
Prerequisite: 385A-386A-387A	
485B-486B-387B Band	1 Hr. Each
Prerequisite: 385B-386B-387B	
485C-486C-487C Chorus	1 Hr. Each
Prerequisite: 385C-386C-387C	

DEPARTMENT OF THEATRE (THE)

G. F. Hartwig, Chairman

Treser Weiss

Curricula leading to the degree of Bachelor of Fine Arts or Bachelor of Arts are given below.

Students who plan to teach speech on the secondary level should plan their programs through the Department of Communication in the College of Arts and Sciences.

Students not in the field of theatre, but interested in producing musicals and operas, should take Theatre 201, Theatre 202 or 203, and/or Theatre 302.

A minor program of 28 hours is also available in Theatre and should be planned with the consent of the major professor.

All theatre majors and minors are required to work in some phase of production in current theatre presentations.

The 430-G430 Series, Summer Theatre, may be taken under general electives to meet the hours required for graduation, but only 8 hours will be accepted toward fulfilling major or minor requirements.

Theatre Program Leading to the Degree of Bachelor of Fine Arts

Freshman

English 101, 102, 103	4	4	4
Science	4	4	4
Social Science Core Elective		4	4
Theatre 111	4		
Music 165		4	
Public Address 101			4
Art 120	4		
Physical Education	0	0	0
	16	16	16

Sophomore

English 201, 202	4	4	
Foreign Language	4	4	4
Political Science 101	4		
History 101, 102		4	4
Theatre 201, 202, 203	4	4	4
Mathematics			4
Physical Education	0	0	0
	16	16	16

Junior

English 423, 425 or 479, 483	4		4
Theatre 302, 303, 311	4	4	4
Theatre 405, 406, 407	4	4	4
Theatre 413, 414	4	4	
Theatre 443, 444		4	4
	16	16	16

Senior

English 423, 425 or 479, 483	4		4
Theatre 421, 422		4	4
Theatre 418, 420	4	4	
Theatre 306, 308	4	4	
Theatre 440, 441, 442	4	4	4
General Elective			4
	16	16	16

Theatre Program Leading to the Degree of Bachelor of Arts

Freshman

English 101, 102, 103	4	4	4
Science	4	4	4
Social Science Core Elective		4	4
Theatre 111	4		
Music 165, or Art 120		4	
Public Address 101			4
Philosophy 101 or 201	4		
Physical Education	0	0	0
	16	16	16

Sophomore

English 201, 202	4	4	
Foreign Language	4	4	4
Political Science 101	4		
History 101, 102		4	4
Mathematics			4
Theatre 201, 202, 203	4	4	4
Physical Education	0	0	0
	16	16	16

Junior

English 423, 425, 479 or 483	4	4	4
Foreign Language	4	4	4
Public Address			4
Theatre 302	4		
Theatre 413, 414	4	4	
Theatre 443, 444		4	4
	16	16	16

Senior

English 479 or 483			4
Public Address	4	4	4
Theatre 311			4
Theatre 421, 422	4	4	
Theatre 418, 420	4	4	
Theatre 440, 441, 442	4	4	4
	16	16	16

COURSE DESCRIPTIONS (THE)

111—**Fundamentals of Oral Interpretation.** Four hours. (Fall)

Study, analysis, presentation of poetry and prose for reading aloud, with emphasis upon voice analysis, and critique.

201, 202, 203—**Theatre Production I, II, III.** Four hours each.

A survey of all aspects of Theatre. Practical application of one area of Theatre in a major University production. Recommended for high school play directors, and those desiring an over-all acquaintance with the various phases of theatrical production.

302, 303—**Stagecraft, I, II.** Four hours each.

Construction and painting of stage scenery and properties.

306—**Scene Design.** Four hours. (Spring)

Prerequisite: Theatre 302, or consent of instructor.

Elements of stage design. Play analysis in terms of visualization and style, and the mechanics of developing an effective stage setting.

308—**Stage Lighting.** Four hours. (Winter)

Prerequisite: Consent of instructor.

Theory and application of general and special lighting, color, instrumentation and control.

311—**Advanced Oral Interpretation.** Four hours. (Spring. Alternate years beginning 1965-66.)

Prerequisite: Theatre 111.

Plays, novels, and long poems arranged for public presentation.

405-G405, 406-G406, 407-G407—**History of European Theatre.**

Fours hours each. (Alternate years beginning 1965-66.)

Prerequisite: Theatre 201 or consent of instructor.

Study and research in the development of theatres, techniques of production, organization and management from the time of early Egypt to the present.

413-G413—**Acting I.** Four hours. (Fall)

Prerequisite: Theatre 201, 111, or consent of instructor.

Fundamentals of movement, pantomime, voice and characterization for the stage.

414-G414—**Acting II.** Four hours. (Winter)

Prerequisite: 413-G413.

Continuation of Acting I with emphasis on scene work in conjunction with 420-G420.

416-G416—**Playwrighting.** Four hours. (Spring. Alternate years beginning 1966-67.)

Prerequisite: Consent of instructor.

Study and research in the elements of play structuring culminating in an original one-act play.

418-G418—**Directing I.** Four hours. (Fall)

Prerequisite: 413-G413.

Principles of stage directing.

420-G420—**Directing II.** Four hours. (Winter)

Prerequisite: 418-G418.

Continuation of Directing I, with emphasis on scene work in conjunction with 414-G414.

421-G421, 422-G422—**History of the American Theatre.** Four hours each. (Winter and Spring, alternate years beginning 1966-67.)

Prerequisite: Theatre 201 or consent of instructor.

The development of American theatres, techniques of production, organization and management from 1668 to the present.

430-G430, 431-G431, 432-G432, 433-G433—**Summer Theatre I, II, III, IV.** Four hours each.

Prerequisite: Consent of staff.

An eleven-week program covering all phases of theatre production in an operating summer stock theatre. Must be taken concurrently.

440-G440, 441-G441, 442-G442—**History of the European Drama.**

Four hours each. (Alternate years beginning 1966-67.)

Dramatic theory, literature and criticism from the Grecian time to the present.

443-G443, 444-G444—**History of American Drama.** Four hours each. Winter, spring, alternate years beginning 1965-66.)

Dramatic theory, literature and criticism from 1668 to the present.

492-G492—**Problems in Theatre I, II.** Two hours each.

Prerequisite: Consent of instructor.

Special research study.

DIVISION OF CONTINUING EDUCATION

Paul C. Morgan, Dean

OBJECTIVES

The University of Southern Mississippi is cognizant of community and public needs. It accepts the challenge of assisting in these areas so far as possible within the scope of law and policy. It makes available its staff, its leadership, its facilities, and the products of its research in stimulating educational, cultural, governmental, and material growth. Such services are provided through consultations, conferences, institutes, workshops, resident centers, extension classes, correspondence study and non-credit community service courses.

DEPARTMENT OF CORRESPONDENCE

For those who are unable to attend the University, the Department of Correspondence of the Division of Continuing Education offers at a nominal fee a number of courses which may be taken by correspondence for University credit. As many as 48 quarter hours (no more than 12 in one subject) of the total 192-hour baccalaureate degree requirements may be earned in such correspondence courses, subject to the provisions outlined in detail in the special issue of the University bulletin devoted to the Division of Continuing Education.

DEPARTMENT OF COMMUNITY SERVICES

In 1962, the Division of Continuing Education officially added a Department of Adult Education to serve as an administrative unit through which the University could offer non-credit courses of a special interest nature to the general public. This department was the forerunner of the present Department of Community Services.

The activities of the Department of Community Services are being gradually expanded, and currently include courses designed to appeal to the professional, cultural, and recreational interests of the adult citizens of the University community. In planning non-credit courses, an attempt is made to prevent duplication of credit courses currently offered in the University curricula.

DEPARTMENT OF CONFERENCES, INSTITUTES, AND WORKSHOPS

Conferences, institutes, and workshops have been held on the University of Southern Mississippi campus for several years. However, the coordination of these activities has only recently become a responsibility of the Division of Continuing Education. This division now stands ready at all times to assist educational, professional, business, and industrial groups in setting up conferences, institutes, workshops, and related activities on the college campus. Such activities are welcomed to the campus, regardless of whether they are for one day, several days, or several weeks.

Conferences, institutes, and workshops may carry college credit, provided prior approval is given by the Academic Council, and provided approved instructors, consultants, and lecturers are employed. Normally, a maximum of one and one-half quarter hours credit per week may be earned in such activities. The tuition fee for this credit is $8.00 per quarter hour (see Part III). Sponsoring individuals and organizations may also assess, upon approval, special fees to help defray the expenses of the program.

Convenient and comfortable building facilities for large and small group meetings are available on the central campus. Housing in University dormitories or the University Union Building, and meals at the University Commons, all at normal rates, are also available to individuals participating in both credit

and non-credit programs. Motels, restaurants, and shopping centers are within walking distance of the campus.

DEPARTMENT OF EXTENSION AND RESIDENT CENTERS

The function of the Department of Extension and Resident Centers is to make available, as largely as possible, to every community and individual in the state the advantages of the general equipment, educational training, and specialized information represented on the campus of the University.

Arrangement can be made to offer by extension most of the undergraduate, and some of the graduate, courses included in the general catalog of the University. In-service programs, running over a period of six to nine months, and short term courses, with or without credit, may also be organized through the Extension Department.

Resident centers are currently in operation at Jackson, Natchez, and Keesler Air Force Base in Biloxi. The academic program at these centers includes the first three years of undergraduate college work, thus placing those who complete the program within one year of a degree. An attempt is made at the resident centers to duplicate the same high academic standards adhered to on the campus of the parent institution.

ASSOCIATE DEGREE NURSING PROGRAM

The University of Southern Mississippi, through its Division of Continuing Education, and with the cooperation of the Jefferson Davis Memorial Hospital in Natchez, initiated the Associate Degree in Nursing Program at the Natchez Resident Center at the beginning of the 1964 fall quarter. This program, based on the completion of seven quarters of work, is designed to prepare the student as a practitioner of general duty nursing. At the same time, it will provide experiences whereby scientific knowledge and understanding of human behavior may be utilized in the performance of patient-centered nursing care. Graduates of this program are prepared for beginning general duty nurse positions and are eligible to write the state board examination required for becoming a registered nurse.

In its effort to attain the objective of preparing competent practitioners of nursing, the Associate Degree in Nursing Program is designed to provide in the classroom, in the hospital, and in the community organized subject matter and learning situations which enable the student to develop:

1. Scientific knowledge, understanding, and clinical skill necessary to identify nursing problems, plan their solution, initiate appropriate action, and evaluate the results as the student practices nursing in general duty positions;
2. Knowledge and skill in human relations to assist in total nursing care;
3. Ability to think and base actions on principles rather than techniques;
4. Social understanding of patients not only as occupants of the sickroom, but also as members of a family, a neighborhood, and a community;
5. Health knowledge and skills to interpret information for the patient and his family in formulating and securing goals of positive health in all situations;
6. Realization of obligations—physical, spiritual, social and moral—to the nurse, to the profession, and to those served.

ASSOCIATE DEGREE NURSING CURRICULUM

First Year

Fall Quarter	Hrs.	Winter Quarter	Hrs.	Spring Quarter	Hrs.
English 101	4	English 102	4	Fund. of Science 104	4
Biology 228	4	Biology 229	4	Biology 339	4
Psychology 201	4	Foods & Nutrition 178	4	Psychology 316	4
Nursing 101	6	Nursing 102	6	Nursing 103	6
	18		18		18

Summer Quarter

English 103	4
Sociology 103	4
Nursing 104	6
	14

Second Year

Fall Quarter	Hrs.	Winter Quarter	Hrs.	Spring Quarter	Hrs.
Nursing 201	12	History 101	4	History 102	4
	12	Mathematics 100	4	Nursing 203	10
		Nursing 202	10	Nursing 204	4
			18		18

The program of studies totals 116 quarter hours credit and is divided into three areas:

1. Nursing—including all major clinical fields—60 hours credit.

2. Related Sciences—including anatomy, bacteriology, physical science, physiology, psychology, and sociology—28 hours credit.

3. General Education—including English, foods and nutrition, history, and mathematics—28 hours credit.

One quarter hour of credit in nursing represents one hour of classwork, or three hours of clinical laboratory experience a week for one quarter.

DIVISION OF HOME ECONOMICS

Bertha M. Fritzsche, Chairman
Brister, Chichester, Drain, Golden, Hamman,
Hesson, Lancaster, McCarthy, Owings, Weaver

PURPOSE

The curricula and courses in the Division of Home Economics are planned to place major emphasis on improving family life. Students are prepared to assume responsibilities in areas related to the various aspects of living concerned with the environment of the individual, the family, and the community. These areas are child development, clothing and textiles, food and nutrition, home-economics education, housing and home management, marriage and family life.

ORGANIZATION

Bachelor of Science majors are offered in child development, clothing merchandising, clothing and textiles, food and nutrition, institution management—dietetics, institution management—commercial, teaching home economics education, home economics extension service, home economics in equipment, and general home economics. A two-year schedule which leads to a certificate is offered for school-lunch managers.

CURRICULUM: BASIC COLLEGE AND DIVISION CORE

The core curriculum for the Bachelor of Science degree as outlined below is to be followed by the student who pursues any major in the Division of Home Economics.

English 101, 102, 103, 201, and 202 or 330 or 332	20	20
History 101, 102	8	8
Mathematics (Home Economics majors who take Chemistry must take Mathematics 101)	4	4
Science	12	or 16
Majors in Institution Management, Clothing and Textiles, Home Economics Education, Food and Nutrition must take: Chemistry 121, 122, 123, and Biology 101		
Majors in Child Development, Clothing Merchandising, Equipment, and General Home Economics must take: Biology 101, 339x, and a four-hour course in a laboratory science, or Biology 101, 102, and 339x		
Social Science**	16	16
Political Science 101		
Economics 200		
Sociology 103		
Psychology 201		
Other courses	12	12
Health 179		
Public Address 101		
Art 111 instead of Art 120		
Home Economics*	18	or 18
Home Economics Education 122***		
Food and Nutrition 137 or 178 (For Institution Management—Commercial)		
Food and Nutrition 285 or 262 (For Institution Management—Commercial)		
Clothing and Textiles 126 Not required for Institution Management—Commercial majors		
Child Development 139***		
Military Science (for men)	6	6
Physical Education—six quarters (non-credit)	0	0
Total	96	or 100

Note: Majors in Institution Management—Commercial will have only 90 or 94 hours.

*Required by the Division.
**Increased hour requirement of courses listed in the core.
***Not required of transfer students, or students majoring in Institution Management—Commercial.
xTo be taken the junior year after being admitted to the Division.

RECOMMENDED SEQUENCE

Freshman Year

Course	Hours
Home Economics Education 122	2
Food and Nutrition 137 or 178 (Institution Management—Commercial)	4
English 101, 102, 103	12
History 101, 102	8
Political Science 101	4
*Clothing and Textiles 126	4
Mathematics 101 or 100	4
Biology 101	4
Art 111	4
*Child Development 139	4
Physical Education—one course to be taken each quarter	Non-Credit
Total	50

*Institution Management—Commercial majors substitute a course for these.

Sophomore Year

English 201, 202 or 330 or 332	8
Sociology 103	4
Economics 200	4
Health 179	4
Psychology 201	4
Speech 101	4
Food and Nutrition 285 or 262 (Institution Management—Commercial)	4
Chemistry 121, 122, 123 or Biology 102	12 or 4
Requirements for Minor (or electives)	4 or 12
Physical Education—one course to be taken each quarter	Non-Credit
Total	48 or 48

Core for Junior-Senior Level

All students in the junior and senior years regardless of the major selected in the Division of Home Economics are expected to take, in addition to the core plan for freshman and sophomore years, a common core of courses.

Course	Hours
*Food and Nutrition 335	4
Marriage and Family Living 351	4
**Child Development 338	4
Health 433 or HHM 334	2
Total in Core for Junior-Senior Level	14

*For Majors in Child Development, substitute F. & N. 336.
**For Majors in Clothing and Textiles, Clothing Merchandising, Home Economics in Equipment, and Institution Management—Dietetics, Child Development 139 may be substituted.

CURRICULUM MAJORS

The curriculum requirements for majors are outlined under the respective sub-titles below.

OFFERINGS FOR NON-MAJORS

Students may earn a minor in home economics by selecting twenty-eight hours of work from the following courses: Child Development 139, and 338; Clothing and Textiles 126, 304 and 312; Food and Nutrition 137, 178, 262, 285, 323, 335, and 336; Housing and Home Management 305 and 482; Marriage and Family

Life 151 and 351. **The same courses may be selected for electives.** The only prerequisite to these courses for non-majors is the necessary academic standing; courses with junior or senior numbers may not be taken by freshmen and sophomores. Non-majors who wish to substitute other courses for those named above may do so if they have had the necessary prerequisites to the courses.

A student may minor in any area in which he can major. The twenty-eight hours of courses for a minor in a specialized area such as Institution Management should be approved by the Chairman of The Division of Home Economics.

CHILD DEVELOPMENT

The child development curriculum is designed to interest majors with special abilities and interests in young children. It provides opportunities to observe and work with nursery school children. Specialization in this area prepares a student for nursery school teaching and administration and for leadership in educational programs of children's institutions. Those who wish to begin study for positions in such areas as child welfare, college nursery schools, or private nursery schools should follow the curriculum in child development.

NURSERY SCHOOL

The University Nursery School was established as a unit within the Division of Home Economics to provide a laboratory in which students might observe the development and relationships of a group of normal, healthy young children and participate in directing the various Nursery School activities. The School accommodates children between the ages of two and a half and five years. It operates on a full schedule (nine o'clock in the morning to three o'clock in the afternoon) five days per week, throughout the year.

The daily program is planned to create an environment rich in possibilities for developing the child's mental, physical and social self as well as attaining a greater degree of emotional maturity. The enrollment is made up of an equal number of boys and girls in the various age groups from town, faculty and student families.

The Nursery School, which was the first to be established in Mississippi, is located on the first floor of the Home Economics Building. It has ample space indoors and a large porch and fenced-in play area out-doors. In both space and equipment it meets high standards. The climate permits outdoor play the year round. Requests for registration must be filed with the Director of the Nursery School well in advance of the time the child is to be enrolled. Any child may qualify who meets the age and development requirements.

CHILD DEVELOPMENT

Course		Hours
Basic College Core		72
Major and Division Requirements		64
Freshman and Sophomore Home Economics Core	18	
Junior and Senior Home Economics Core	14	
Health 433		
Other Requirements in Home Economics	32	
Housing and Home Management 482	4	
Housing and Home Management 484	6	
Clothing and Textiles 304	4	
Child Development 420	4	
Child Development 482	4	
Child Development 484	6	
Child Development 486	4	
Other Requirements		6
Psychology 316	4	
Housing and Home Management 334	2	
Minor Requirements	28	28
Electives	22	22
Total		192

CHILD DEVELOPMENT COURSES (CD)

CD 139—The Individual and the Family. Four hours

Three one-hour recitations and four hours of laboratory.

Not required of junior transfer students.

A functional course dealing with the student's immediate concerns regarding his family life. Special attention will be given to the development of the individual in seeing himself objectively. Experiences in the Nursery School will contribute to a greater awareness of behavioral differences among individuals.

CD 90 or 390—Preschool Teacher's Workshop I, II, III. One and one-half hours.

For day-care operators, nursery school teachers and educational leaders in preschool centers dealing with:

a. Administration of Preschool Centers.
Good principles of administration in group programs of young children.

b. Curriculum Planning.
Improving programs through better administrative procedures. Good group experiences for the preschool child.

c. Personality of the Preschool Child.
Understanding children's behavior—or guiding personality development.

d. Creative Activities.
Emphasis on art for young children.

e. Literature and Language.

Appropriate literature for the preschool child and use of bulletin boards, flannel graphs, puppets and other resources.

CD 338—Child Development. Four hours.

Three one-hour recitations and five hours of observation and participation in the Nursery School weekly.

Designed to create interest in preschool children and to develop an understanding of the development and behavior patterns of preschool children. Problems involved in guiding children toward happy, successful adulthood.

CD 420 or G420—Advanced Child Development. Four hours.

CD 482—The Child's Play Environment. Four hours.

Two one-hour recitations weekly, plus six hours of participation in the Nursery School.

A course for students interested in further study of preschool children and in developing teaching techniques. Sharing responsibilities in the daily activities of the Nursery School will be assumed.

A study of the role of play in the development of young children, with emphasis upon selection, care, and use of equipment. Opportunities provided to evaluate materials in use, to plan play activities for children, and to construct toys.

CD 484—Supervised Participation. Six hours.

Prerequisite: Child Development 420.
Directed participation as an assistant in the Nursery School for one quarter.

CD 486—Creative Materials and Activities for the Preschool Child. Four hours.

A study of creative activities for children of the preschool years, including literature, art, music, nature study, and others. Practical experiences with these in the Nursery School.

CLOTHING AND TEXTILES

This area offers opportunities to the future homemaker for the selection and care of clothing and household fabrics for the family, and basic principles of clothing construction. Two curricula are offered: Clothing and Textiles, and Clothing Merchandising.

The curriculum for the major, Clothing and Textiles, is appropriate for a person wishing to begin preparation for a position as a designer of clothing or textiles, or as an editorial writer for women's pages of newspapers or magazines. It may serve as a basis for graduate study in clothing and textiles which might lead to college teaching or research. Suggested minor areas appropriate for this major include art, chemistry, journalism, radio and television, and economics.

The major in Clothing Merchandising makes advancement more readily available to those seeking positions as buyers for apparel specialty stores or apparel departments in department stores. Also, it leads to the management of one's own small store or to the management of ladies apparel chain stores.

TEXTILES AND CLOTHING

Courses	Hours
Basic College Core	76 or 76
Major and Division Requirements	66 or 68
Freshman and Sophomore Home Economics Core	18
Junior and Senior Home Economics Core	14
Other Requirements in Home Economics	34 or 36
Clothing and Textiles 304	4
Clothing and Textiles 313 or 452	4
Clothing and Textiles 350	3
Clothing and Textiles 360	4
Clothing and Textiles 420	3
Clothing and Textiles 456 or 457 or 365	2 or 4
Housing and Home Management 305	4
Housing and Home Management 482	4
Housing and Home Management 484	6
Minor Requirements	28 or 28
Electives	22 or 20
Total	192 or 192

CLOTHING MERCHANDISING

Basic College Core	72
Major and Division Requirements	60
Freshman and Sophomore Home Economics Core	18
Junior and Senior Home Economics Core	14
Other Requirements in Home Economics	28
Clothing and Textiles 304	4
Housing and Home Management 482	4
Housing and Home Management 484	6
Housing and Home Management 305	4
Clothing and Textiles 365	4
Clothing and Textiles 350	3
Clothing and Textiles 312	3
Other Requirements	8
Art 107	4
Psychology 202	4
Minor in Marketing	32
Business Administration 100	4
Marketing 300	4
Marketing 330	4

Marketing 332	4
Marketing 461-462	12
Marketing 355	4
Electives	20
Total	192

CLOTHING AND TEXTILES COURSES (C&T)

C&T 126—**Fundamentals of Clothing Selection and Construction.** Four hours.

Two 1-hour periods and two 2-hour laboratory periods per week.

Application of art principles in individual wardrobe planning and buying; understanding and applying the fundamental principles of garment to a specific garment; application of construction principles to selection of ready-made garments.

C&T 304—**Art Related to the Home and Dress.** Four hours.

Three 1-hour periods and one 2-hour laboratory period per week.

Prerequisite: Art 111.

A course designed to develop an understanding of applied principles of design in clothing, clothing accessories, exterior and interior of houses. Opportunity furnished for practical solution of personal and home design problems.

C&T 312 or G312—**Consumer Textiles.** Three hours.

A practical consumer study of textiles; the fibers, structure, design, finish, and quality of fabrics for clothing and house furnishings including selection, use and care.

C&T 313—**Garment Selection and Wardrobe Planning.** Four hours.

Designed as an elective for home economics, marketing, business, education, and other majors.

Prerequisite: Junior status or special permission of instructor.

Selection of ready-to-wear garments on basis of need, appropriateness, aesthetic value, cost, serviceability.

C&T 350—**Family Clothing.** Three hours.

One 1-hour period and two 2-hour laboratory periods per week.

Prerequisite: C&T 126 and 304, or equivalent.

Interpreting the problems of clothing the family in terms of the family life cycle; understanding factors affecting clothing decisions; socio-economic aspects of clothing and textiles as they affect the family members; constructing new garments for family members and utilizing old garments of good fabric through re-designing and renovating.

C&T 360—**Textiles.** Four hours.

Two 1-hour and two 2-hour laboratory periods per week.

Prerequisite: Chemistry and junior status.

A study of the fundamental aspects of textiles: physical and chemical properties of fibers, yarn structure, weaves and fabric design, and finishes as they relate to consumer selection, use, care, and over-all satisfaction; markets and legislative consumer aids.

C&T 365—**Clothes and Cultures.** Four hours.

Prerequisite: Junior or senior status.

A study of the wearing apparel of selected cultures from ancient times to the present: structured to evolve concepts of dress as it relates to and is influenced by the climatic, social, economic, and political forces of any group of people at any given time, culminated in an evaluation of how the historic past affects the present-day fashion world and its dynamic impact on society.

C&T 420—**Tailoring.** Three hours.
One 1-hour period and two 2-hour laboratory periods per week.
Prerequisites: C&T 126 and 304 or equivalent.
Principles and techniques of tailoring applied to a suit or coat; attention given to suitability of pattern and fabric to individual, pattern and fabric to each other, cost, garment fitting, creative design details, and appropriate accessories; application of learnings to selection and evaluation of ready-made tailored garments.

C&T 452, or G452—**Textile Testing.** Four hours.
Two 1-hour and two 2-hour laboratory periods per week.
Prerequisite: C&T 312, G312, or approval of instructor.
Testing apparel and household textile fabrics by standard ASTM and AATCC methods; interpreting and evaluating test results; application of data to better consumer understanding and practices.

C&T 456 or G456—**Textile Economics.** Two hours.
Prerequisite: C&T 312, or C&T 360, or equivalent.
A study of problems which affect the consumer in the production, distribution, and consumption of textiles and clothing. Survey of recent developments in the textile and clothing field.

C&T 457—**Fashion Fundamentals.** Four hours.
Fashion as a social force and the factors that affect and influence it. A study of the workings of the fashion world, including designers, leading markets, and fashion cycles.

FOOD AND NUTRITION

This area provides courses in foods, nutrition, and institution management for undergraduate and graduate students in the Division of Home Economics. Some of the basic courses may be elected by non-majors from other schools of the University or by those selecting minors in food and nutrition or institution management.

Students selecting food and nutrition as a major can prepare for positions in public health, extension, research, journalism and commercial organizations.

Institution management majors may elect the curriculum for dietetics or the one designated as commercial. A two-year certificate course is available for school lunch managers.

Positions as dietitians in hospitals, government services, or clinics are open to those who receive the B.S. degree with a major in institution management—dietetics. This curriculum meets the academic requirements for admission to hospitals or administrative internships approved by the American Dietetic Association.

Students majoring in institution management—commercial can prepare for positions as food service administrators in restaurants, hotels, colleges, industry, business, school food service, and related fields.

Suggested minors for food and nutrition majors are: chemistry or journalism; for institution management—dietetics majors: chemistry, general science, or health; and for institution management—commercial majors: chemistry, marketing, accounting, biology, economics, art, or business administration.

INSTITUTION MANAGEMENT—DIETETICS

Chemistry, Health or General Science: Minor

Basic College Core 76
Major and Division Requirements 76
Freshman and Sophomore Home Economics Core 18
Junior and Senior Home Economics Core 10
Other requirements in Home Economics 48
Food and Nutrition 394 2
Food and Nutrition 442 4

Food and Nutrition 444 4
Food and Nutrition 459 4
Food and Nutrition 476 4
Food and Nutrition 478 4
Food and Nutrition 483 6
Food and Nutrition 485 6
Clothing and Textiles 304 4
Housing and Home Management 482 4
Housing and Home Management 484 6
Other requirements to meet American Dietetic Association Requirements and the Minor 32
Psychology 319 4
Chemistry 251 4
Chemistry 252 4
Chemistry 253 4
Biology 229 4
Accounting 201 4
Biology 339 4
Personnel Management 364 or Psychology 449 4
Electives and Other Requirements for Minor 8

Total 192

INSTITUTION MANAGEMENT—COMMERCIAL

Chemistry, Marketing, Accounting, Biology, Economics, Arts, or Business Administration: Minor

Basic College Core ..... 76 or 82
For Women—76
For Men—82
Major and Division Requirements 63
Freshman and Sophomore Home Economics Core 8
Junior and Senior Home Economics Core 14
Other Requirements in Home Economics 41
Food and Nutrition 263 4
Food and Nutrition 394 2
Food and Nutrition 442 4
Food and Nutrition 459 4
Food and Nutrition 461 6
Food and Nutrition 462 6
Food and Nutrition 483 6
Food and Nutrition 485 6
Clothing and Textiles 312 3
Other Requirements 28
Biology 339 4
Chemistry 251, 252 8
Accounting 201 4
Business Administration 100 4
Marketing 330 4
Psychology 319 4
*Summer Practicum 0
Minor and Electives ..... 25 or 19
Total 192

*Students must meet the requirements of one summer (a minimum of eight weeks) or equivalent of practical experience. This entails full-time employment of an approved job preferably in the summer between the junior and senior year. This experience must be completed before registering in F&N 461.

FOOD AND NUTRITION

Chemistry or Journalism: Minor

Basic College 76
Major and Division Requirements 60

207

Freshman and Sophomore Home Economics Core	18	
Junior and Senior Home Economics Core	14	
Other Requirements in Home Economics	28	
Food and Nutrition 442	4	
Food and Nutrition 476	4	
Food and Nutrition 478	4	
Food and Nutrition 394	2	
Clothing and Textiles 304	4	
Housing and Home Management 482	4	
Housing and Home Management 484	6	
Other Requirements		12
Chemistry 251	4	
Chemistry 252	4	
Biology 339	4	
Minor Requirements		28
Electives		16
Total		192

Two-Year Certificate Course

A two-year schedule of courses which leads to a certificate is planned for school-lunch managers. The program includes general education courses as well as those designed to add to the special preparation of the individual as a school-lunch manager.

Curriculum

General Education Courses	Hours
English 101, 102, 103	12
Mathematics 100	4
History (any course)	4
Psychology 201	4
Biology 101	4
Health 179	4
Art (any course)	4
Health 433, 334	4
Economics 200	4
Clothing and Textiles 312	3
Child Development and the Family 139	4
English (Literature)	4
Food and Nutrition 137	4
Food and Nutrition 285	4
Food and Nutrition 178	4
Food and Nutrition 262	4
Food and Nutrition 263	4
Food and Nutrition 264	4
Electives	17
Total	96

FOOD AND NUTRITION COURSES (F&N)

F&N 137—**Food Study.** Four hours.

Two 1-hour theory and two 2-hour laboratory periods weekly.

Study of the body's need for food. Application of principles in planning, preparing and serving simple meals.

F&N 56-156—**School Lunchroom Conference: Purchasing.** One and one-half hours.

Thirty-six hours of class and laboratory work.

Involves study of available stocks; receiving and storing practices; emphasis on inventories, storage room, and food purchasing.

F&N 57-157—**School Lunchroom Conference: Planning Better School Lunches.** One and one-half hours.

Thirty-six hours of class and laboratory work.

Emphasis on planning and serving nutritious quantity meals at minimum cost.

F&N 58-158—**School Lunchroom Conference: Food Cost Control.** One and one-half hours.

Emphasis on budget break-down, records, inventories, and real cost for school lunch.

F&N 59-159—**School Lunchroom Conference: Personnel Management.** One and one-half hours.

Thirty-six hours of class and laboratory work.

Emphasis on problems of personnel for school lunch.

F&N 65-165—**School Lunchroom Conference: Quantity Food Preparation.** One and one-half hours.

Preparation of appetizing, nutritious, and attractive meals for the school child.

F&N 66-166—**School Lunchroom Conference: School Cafeteria Equipment.** One and one-half hours.

A course designed to teach managers how to conserve time and energy through efficient arrangement, use, and care of equipment.

F&N 67-167—**School Lunchroom Conference: New Developments in the School Lunch Program.** One and one-half hours.

Recent research and findings in phases related to the school cafeteria; special problems of the manager.

F&N 68-168—**School Lunchroom Conference: Nutrition and the School Child.** One and one-half hours.

F&N 69-169—**School Lunchroom Conference: Organization and Management of Food Services.** One and one-half hours.

Designed to give experiences in executive leadership, planning, organizing and controlling the activities of the organization.

F&N 70-170—**School Lunchroom Conference: Food Storage.** One and one-half hours.

Designed to give understanding of how to prevent the loss of food. Emphasis placed on proper temperature, ventilation, and systematic food storage.

F&N 71-171—**School Lunchroom Conference: Methods and Materials in School Lunch.** One and one-half hours.

A professional specialized course in techniques and methods necessary for training school lunch personnel and to develop leadership in supervisory personnel.

F&N 72-172—**School Lunchroom Conference: Work Simplifications.** One and one-half hours.

Principle of motion economy as related to use of human body in work places; application of work simplification procedure to school cafeteria problems.

F&N 178—**Foods and Nutrition.** Four hours.

Two one-hour theory and two two-hour laboratory periods weekly.

Practical knowledge of nutrition and its relation to health. Application of principles in food preparation.

F&N 262—**Problems in Managing a School Cafeteria.** Four hours.

Three theory and one laboratory periods weekly.

Prerequisite: Food and Nutrition 137 or 178.

Course in the organizational structure of the federal school lunch program. Emphasis placed on food cost control records and management procedures concerned with nutritional aspects of the school lunch operation at the local level. Experience in organization, equipment, and operation of food for large groups.

F&N 263—**Menu Planning, Food Preparation and Serving for the School Cafeteria.** Four hours.

Two theory and two laboratory periods weekly.

Planning balanced school lunches and banquets, actual experiences in preparation and service for large groups, including lunch program.

F&N 264—**Sanitation for the School Cafeteria.** Four hours.

Three theory and one laboratory period weekly.

Prerequisites: Health 179 and 433, and Foods and Nutrition 137.

Emphasis on all phases of sanitation in school lunchrooms.

F&N 285—**Meal Planning and Table Service.** Four hours.

Prerequisite: Foods and Nutrition 137.

Two one-hour theory and two two-hour laboratory periods weekly.

Continuation of Food Study 137. Emphasis on more advanced meal planning, preparation, and service; scientific principles of cookery stressed.

F&N 323—**Elementary Course in Nutrition.** Two hours.

Planned for non-home-economics majors. Nutritional needs of body and proper selection of foods emphasized.

F&N 335—**Nutrition.** Four hours.

Prerequisite: Foods and Nutrition 285 or 178.

Intensive study of the body's need for foods, including the chemistry of digestion, care of digestive system, nutritive requirements of body during different stages of life.

F&N 336—**Child Nutrition.** Four hours.

A study of nutritive requirements of young children, with laboratory experiences in the Nursery School.

F&N 346—**Teaching Food and Nutrition in the Elementary Grades.** Four hours.

Course planned to give those preparing to teach in the elementary grades some understanding of materials and methods for teaching nutrition.

F&N 394—**Food Problems.** Two hours.

A study of individual problems in food preparation. Problems developed by students in conference with instructor.

F&N 442 or G442—**Experimental Foods.** Four hours.

Two 1-hour theory and two 2-hour laboratory periods weekly.

Prerequisite: Foods and Nutrition 285 or 178.

Elementary research to determine factors affecting standard products. Experimentation in preparation, ingredients, methods of cooking, temperature, and utensils used.

F&N 444 or G444—**The School Lunch.** Four hours.

One one-hour theory period and three two-hour laboratory periods weekly.

Designed to give experience in menu planning, records, food buying, and preparing and serving food on quantity level.

F&N 459 or G459—**Institution Food Purchasing.** Four hours.

Prerequisite: Junior status.

The purchase of food for institutional use, including investigation of marketing conditions, sources, standards of quality, grades, methods of purchase, care and storage of different classes of food.

F&N 461—**Field Experiences with Commercial Establishments.** Six hours.

Prerequisite: Senior standing and permission of the Chairman of the Division of Home Economics.

Experiences in the operation and management of commercial food and hotel service with cooperating establishments. Reports will be made to the faculty advisor.

F&N 462—Institution Management with Commercial Establishments. Six hours.

Course correlated with F&N 461 and taken concurrently with it. Problems in operation and management of commercial food and hotel service based upon experiences of the student, and professional literature.

F&N 476 or G476—Diet in Disease. Four hours.

Prerequisite: Food and Nutrition 335.

Study of diseases influenced by diet, and dietary treatment of diseases.

F&N 478 or G478—Advanced Nutrition. Four hours.

Prerequisite: Food and Nutrition 335.

Study of current literature for new findings in field of nutrition.

F&N 483—Quantity Food Production and Service. Six hours.

Two one-hour theory and three two-hour laboratory periods weekly.

Prerequisite: Foods and Nutrition 285.

Emphasis on actual food preparation and serving on quantity level.

F&N 485—Organization and Management. Six hours.

Two one-hour theory and three two-hour laboratory periods weekly.

Prerequisite: Foods and Nutrition 483.

Organization, financial control, and personnel management for institution food departments.

HOME ECONOMICS EDUCATION

The curricula in Home Economics Education are planned for those who wish to be teachers of home economics education in the schools, or who wish to work in the home economics extension service. Those preparing for teaching should major in teaching home economics education, and those preparing for extension service in home economics extension service.

Students who complete the curriculum in teaching home economics education will receive the vocational license to teach home economics education in the secondary schools of the State of Mississippi.

TEACHING HOME ECONOMICS EDUCATION

Basic College Core		76
Major and Division Requirements		63
Freshman and Sophomore Home Economics Core	18	
Junior and Senior Home Economics Core	14	
Other Requirements in Home Economics	31	
Clothing and Textiles 304	4	
Clothing and Textiles 312	3	
Clothing and Textiles 350	3	
Clothing and Textiles 420	3	
Housing and Home Management 305	4	
Housing and Home Management 315	4	
Housing and Home Management 482	4	
Housing and Home Management 484	6	
Other Requirements		6
*Housing and Home Management 334 or Health 433	2	
Biology 339	4	
Requirements in Education and Psychology		37
Psychology 319	4	
Psychology 332	4	
Education 313	4	

Home Economics Education 380	4	
Home Economics Education 481	6	
Home Economics Education 482	6	
Home Economics Education 489	5	
Education 469	4	
Electives		10
Total		192

*One of these courses is part of the Junior-Senior Core.

HOME ECONOMICS EXTENSION SERVICE

		Hours
Basic College Core		76
Major and Division Requirements		63
Freshman and Sophomore Home Economics Core	18	
Junior and Senior Home Economics Core	14	
Other Requirements in Home Economics	31	
Clothing and Textiles 304	4	
Clothing and Textiles 312	3	
Clothing and Textiles 350	3	
Clothing and Textiles 420	3	
Housing and Home Management 305	4	
Housing and Home Management 315	4	
Housing and Home Management 482	4	
Housing and Home Management 484	6	
Other Requirements		6
Biology 339	4	
*Housing and Home Management 334 or Health 433	2	
Requirements in Home Economics Education		33
Psychology 319	4	
Psychology 332	4	
Education 313	4	
Education 462	2	
Home Economics Education 380	4	
Home Economics Education 485	5	
Home Economics Education 486	5	
Home Economics Education 489	5	
Electives		14
Journalism or Radio recommended	4	
Total		192

*One of these courses is part of the Junior-Senior Core.

HOME ECONOMICS EDUCATION COURSES (HEE)

HEE 122—Introduction to Home Economics. Two hours.

A course designed to show the value of home economics in personal and family living, as well as in vocational pursuits.

HEE 380—**The Teaching of Home Economics Education.** Four hours.

Prerequisite: Junior standing in home economics.

A study of the place of home economics education in the total school program. Emphasis on organization of teaching plans and materials; opportunity for class and home experiences, and evaluation for the school home economics education program.

HEE 481-482—Observation and Student Teaching (Participation in Teaching Home Economics Education). Twelve hours.

Prerequisite: Home Economics Education 380.

HEE 485—**Extension Education.** Five hours.

Opportunities provided to work with state extension specialists and with the district extension leader to become acquainted with special methods in extension work.

HEE 486—**Extension Teaching and Observation.** Five hours.

Prerequisite: Home Economics Education 380.

Educational experiences in extension service program for a six-week period, or the equivalent, with a home agent. Supervision of work provided co-operatively with the University and Agricultural Extension Service.

HEE 489—**Teaching Home Economics to Adults.** Five hours.

Prerequisite: Home Economics Education 380.

A study of the adult home economics program, with experiences which will help the student to participate effectively in the teaching of home economics to adults.

HOUSING AND HOME MANAGEMENT

The increasing opportunities for home economists in business with utility companies and manufacturers of equipment for the home have created many positions for those with the necessary educational background. The major, home economics in equipment, is designed for those preparing for such careers.

HOME ECONOMICS IN EQUIPMENT

Basic College Core		72
Major and Division Requirements		75
Freshman and Sophomore Home Economics Core	18	
Junior and Senior Home Economics Core	14	
Other Requirements in Home Economics	43	
Clothing and Textiles 304	4	
Clothing and Textiles 312	3	
Clothing and Textiles 420	3	
Home Economics Education 489	5	
Housing and Home Management 305	4	
Housing and Home Management 315	4	
Housing and Home Management 480	5	
Housing and Home Management 482	4	
Housing and Home Management 484	6	
Housing and Home Management 485	5	
Minor		28
Electives		17
Marketing 330 or Journalism or Radio recommended		
Total		192

HOUSING AND HOME MANAGEMENT COURSES (HHM)

HHM 305—**Housing and House Furnishings.** Four hours.

Prerequisite: C&T 304.

Three one-hour periods and one two-hour period a week.

A study of the economic and sociological problems in housing and house furnishings; house plans in relation to their influence on family life; trends in heating, plumbing and lighting houses; selection and arrangement of house furnishings.

HHM 315—**Household Equipment.** Four hours.

Two one-hour theory and two two-hour laboratory periods weekly.

Prerequisite: Foods and Nutrition 285.

A study of the selection, operation, care, repair, and arrangement of appliances in the home.

HHM 334—**Home Nursing.** Two hours.
The care of the sick in the home.

HHM 480—**Field Work in Equipment.** Five hours.
Educational experiences with home economists in the co-operatives, or with other utility companies.

HHM 485—**Home Economics in Equipment.** Five hours.
Courses taken with Home Economics Education 480.
Planned experiences with home economists in power and utility companies, lecturers, and field visits. Introduction to the role of the home economist in business.
Field work for those planning to become home economists in equipment.

HHM 482—**Economics of the Home.** Four hours.
Problems of homemaking relating to wise use of time, energy, money, and resources of home. Consumer problems of the homemaker.

HHM 484—**Home Management Residence.** Six hours.
Prerequisites: Food and Nutrition 335 and Housing and Home Management 482.
Application of the principles of homemaking through actual participation in responsibilities of home. Care of home; meal-planning, preparation, and serving responsibility for baby; and social responsibilities.

MARRIAGE AND FAMILY LIFE

Marriage today is becoming widely recognized as the most important vocation for which young people can prepare.

The primary objective of the marriage and family life curriculum is to assist college students to grow into intelligent, effective and satisfying family members in their own homes. The vast majority of youth today marry and establish homes of their own. There is grave evidence of the need for giving intelligent and functional guidance to these young people in order that their homes can be satisfying and lasting. Although the basic emphasis of the curriculum is learning to become a good marriage partner and parent, it also qualifies the student for some avenues of employment for additional income and/or as a means of self-expression.

There is one major, General Home Economics, which incorporates undergraduate Marriage and Family Life courses in the Home Economics core.

GENERAL HOME ECONOMICS

Basic College Core		72
Major and Division Requirements		69
Freshman and Sophomore Home Economics Core	18	
Junior and Senior Home Economics Core	14	
Other Requirements in Home Economics	37	
Clothing and Textiles 304	4	
Clothing and Textiles 312	3	
Clothing and Textiles 350	3	
Clothing and Textiles 420	3	
Housing and Home Management 305	4	
Housing and Home Management 315	4	
Housing and Home Management 334	2	
Housing and Home Management 482	4	
Housing and Home Management 484	6	
Child Development 420	4	
Other Requirements		4
Psychology 319	4	

Minor Requirements	28
Electives	19
Total	192

MARRIAGE AND FAMILY LIFE COURSES (M&FL)

M&FL 151—Personal Development, Dating and Courtship. Four hours.

Identifying student interests and problems arising out of college life; establishing satisfying relationships in intellectual, social and emotional environment of college living; study personal social policies influencing dating and courtship.

M&FL 351 or G351—Marriage and Family Living. Four hours.

Prerequisite: Junior or Senior standing.

A course designed to give better understanding of the factors that contribute to success and happiness in marriage. Preparation for marriage; marriage adjustment; family functions and situations; factors making for successful family living.

PART SIX

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[1]Leave of Absence, Winter 1964-65

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INDEX

A

Absences 42
Academic Advisement 25
Academic Probation 44
Academic Regulations 42-44
Accreditation ...Inside Front Cover
Accounting 116-118
Administrative Officers 218
Admission Requirements 22-24
Aid, Scholarships and Loans ..36-38
Alumni Association 14
Alumni News 14
American College Test 22, 25
Anatomy and Physiology 69
Anthropology (see Sociology) ...108
Application for Degree 47, 48
Application Procedures for Admission 24, 25
Application for Student Aid and Scholarships 36
Approval of Faculty, Degree Requirement 48
Archaeology (see Religion) 104
Architectural Drafting 153
Art 169-175
Arts and Sciences, College of 60-113
Assistant Professors 229-234
Associate Professors 225-229
Astronomy 100
Athletics 30
Audiology 111
Audio-Visual Center 136
Automobiles on Campus 27

B

Bacteriology 68
Bands 29
Basic College 41, 42, 46, 53-59
Biology 61-69
Board of Trustees 217
Bond, W. F. 12
"Bootstrap" Program for Military Personnel 23
Botany 67, 68
Business Administration, School of 114-130
Business Education 138-141

C

Calendar 6-10
Campus Life and Activities ...25-30
Certification for Teachers 50, 51
Change of College, School or Division 47
Change of Major 48
Change of Registration 42
Chemistry 70-72
Child Development 202, 203
Choice of Catalog 45
Classification of Undergraduates 44
Clothing and Textiles 204-206

College of Arts and Sciences 60-113
Committees, Faculty 219,220
Communication 72-77
Computer Center 14
Continuing Education, Division of 15,24,197-199
Coordinator of Armed Forces Education 23
Core Curriculum 53,54
Correspondence Courses 24,197
Counseling Services 25
Course Numbering 44
Course Sequences 44
Courses Numbered 300 and Above 47
Credit Hours 15,16

D

Dance Instructors Certificate 147
Dean's List 43
Degrees 41,42,49,50
Degree Requirements, General 45-48
Degree Requirements, Specific 48-51
Degrees with Honors 48
Director of Admissions 23-25
Division of Continuing Education 15,24,197-199
Division of Home Economics 200-215

E

Economics 77,78,118-121
Education & Psychology, School of 131-168
Educational Foundations 142
Elementary Education ..133,142-144
English & Literature 78-80
English Proficiency Examination 7-10,47
Entrance Requirements 22-24
Examinations (also see Calendar) 43
Executive Secretarial Studies 140,141
Exemption from Core Requirements 46
Expenses, Student 32-36

F

Faculty
Emeriti 221
Professors 221-225
Associate Professors 225-229
Assistant Professors 229-234
Instructors 234-236
Graduate Fellows 237,238
Faculty Committees 219,220
Faculty Handbook 13
Fees 32-36
Fellows, Graduate 237,238
Finance and General Business 121-124
Fine Arts, School of 169-196
Food and Nutrition 206-211
Foreign Languages 79-82
Foreign Students 23,24
Foreign Trade 77
Foundation, University of Southern Mississippi 15,37,38
Fraternities, Social 30
French 80

G

Geography 83-85
Geology 85-88
German 80,81
Grading System 43
Graduate Fellows 237, 238
Graduate Record Examination..7-10
Graduate School 4
Graduation Exercises 9,10
Greek 81
Guidance, Department of 144
Gulf Coast Research Laboratory 64

H

Health, courses 147,148
Health, Physical Education and Recreation 145-151
Health and Safety Services 27
History 88-90
Home Economics, Division of 200-215
Home Economics Education..211-213
Honors, Degrees with 48
Hour Requirements 45
Housing and Home Management 213,214
Housing, Student 25,26

I

Incidental Fee 32
Industrial Arts 152-156
Information Center 30
Institutional Self-Study 13
Instructors 234-236

J

Journalism 74-76

L

Language Disorders 112,113
Latin 81
Latin-American Institute ..16,17,24
Library 3,15
Library Science 156-158
Living Accommodations 25,26
Load of Work 42
Loans & Scholarships 36-38

M

Major 49,50
Management 124-127
Map of Campus 2
Marine Biology 67,68
Marketing 127-130
Marriage and Family Life 148,214,215

Master Plan 3,13
Mathematics 91-93
Medical Examination 24
Medical Technology 57
Membership ....Inside Front Cover
Memorandum of Credits 44
Military Credit 23
Military Personnel 23
Military Science 46, 94-97
Minor 51
Music 175-186
Music Education 186-193

N

Natchez Resident Center 24, 198
National Teacher Examination..8-10
Non-Resident Status 32, 33
Nursery School 202
Nursing 198, 199

O

Office of Research and Projects .. 14
Organization Chart 18
Organization for Instruction ..41, 42
Organizations, Campus 28-30
Orientation 25

P

Penalties for Late Registration .. 42
Philosophy 102, 103
Physical Education 46, 145-151
Physics and Astronomy 98-100
Physiology 69
Placement Bureau 16
Political Science 100-102
Pre-Professional Curricula ...54-59
Pre-Professional Degree,
Hour & Quality Point
Requirement 45
President's List 43
Probation, Academic 44
Professors 221-225
Provisional Admission 22
Psychological and Special
Education Clinic 136, 137
Psychology 159-163
Public Address 73-74

Q

Quality Point Requirement ...45, 47
Quarters 7-10, 15, 16
Quarter Hours 15, 16

R

Radio-Television 76, 77
Reading Clinic 136
Recreation, courses 151
Regulations, General
Academic 42-45
Refund Policy 33, 34
Registration 7-10, 32-36
Religion & Philosophy 102-104
Religious Life 28
Remedial Services 25
Research 13, 14
Residence Hour Requirement..45, 46
Resident Centers 3, 15, 24, 198
Room and Board 32
Russian 81

S

Sam Woods Collection 15
Scholarship Standards 44
Scholarships and Loans 36-38
School Administration 163
Science Education 105, 106
Second Baccalaureate Degree ... 48
Secondary Education ...134, 166-168
Societies, Honor 28, 29
Sociology 107-109
Sororities, Social 30
Southern News & Views 14
Southern Players 29
Southern Quarterly 14
Spanish 81, 82
Special Education 161-163
Special Students 24
Special School Services 135-137
Speech and Hearing
Sciences 110-113
Speech Pathology 112, 113
Speech and Hearing Center 110
Speech and Hearing Clinic 137
Staff Members 238
Student Activities 27-30
Student Aid and
Scholarships 36-38
Student Government 27, 28
Student Publications 28
Student Teaching 134, 135
Summer Quarter 10, 15

T

Table of Contents 5
Tables of Expenses 34-36
Tetrahedron Model 13
Theatre 29, 193-196
Therapy, courses 151
Transfer from Basic College
to Upper-Level 46, 47
Transfer Students 16, 22
Trustees, Board of 217

U

University Union 30
University Activities Council ... 30

V

Veterans 34

W

Work Scholarships 36

Z

Zoology 64-67

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